



DESCO CO., LTD.

HEAD OFFICE

24, GONGDAN-RO 9-GIL, WAEGWAN-EUP, CHILGOK-GUN, GYEONGSANGBUK-DO, 39909, REPUBLIC OF KOREA
TEL : +82-54-970-5800, FAX : +82-54-973-2358, E-MAIL : edesco@edesco.co.kr

R&D CENTER

TEL : +82-54-970-5870, FAX : +82-54-975-7667

DESCO USA CORP.

3295 RIVER EXCHANGE DR #470 NORCROSS, GA 30092
TEL : +1-770-559-5914, FAX : +1-678-615-3076

DESCO(SHANGHAI) CO., LTD.

ROOM 1518, 5616 CAOAN ROAD, JIADING DISTRICT, SHANGHAI, CHINA
TEL : +86-21-6950-2575, FAX : +86-21-6950-2579

DESCO ENGINEERING PLASTICS INDIA PVT. LTD.

NO.76/1, BHUVANA GARDEN ROAD, VELLAPPANCHAVADI, POONAMALLEE HIGH ROAD, CHENNAI <600 077>
TEL : +91-044-26493043

DESCO POLAND LIMITED LIABILITY COMPANY

ALEJA WOJCIECHA KORFANTEGO 138, 40-156 KATOWICE, POLAND
TEL : +48-508-410-336

www.edesco.co.kr

Printed in September. 2020

All rights reserved by DESCO. Therefore, copying, disclosure or distribution of inform contained in the catalogue is strictly prohibited.



www.edesco.co.kr

DESCO PRODUCTS & APPLICATION

Engineering
Plastics Solution
Company

DESLOX 6

DESLOX 66

DESLOX

DESLOX

DESTON

DESLEN

DESTONE

TABLE OF CONTENTS

GLOBAL BUSINESS	4
CEO'S MESSAGE	5
OUR HISTORY	6
DESCO BUSINESS AREA	7
THE CHANGE OF SOURCE TECHNOLOGY & DESCO FOCUS	8
STANDARD PRODUCTS	9
AUTOMOTIVE INTERIOR PARTS	11
AUTOMOTIVE EXTERIOR PARTS	39
AUTOMOTIVE POWER TRAIN PARTS	47
AUTOMOTIVE CHASSIS PARTS	67
AUTOMOTIVE ELECTRICAL PARTS	107
INDUSTRY PRODUCT PARTS	117
ELECTRICAL ELECTRONICS PARTS	141
NEW MATERIAL _ POLYKETONE APPLICATION PARTS	153

Overview

GLOBAL BUSINESS

Vision

- DESCO turn out of top brand for engineering plastics development & applications.
- DESCO take the lead new paradigm of material industry with adaptational technique through nanotechnology & organic/inorganic composite.
- The best global engineering company to supply total solution for material planning, development, product planning & processing plan also.



DESCO Address

Head Office

- 24, Gongdan-ro 9-gil, Waegwan-eup, Chilgok-gun, Gyeongsangbuk-do, 39909, Republic of Korea
- Tel. +82-54-970-5800 / Fax. +82-54-973-2358 / E-mail. edesco@edesco.co.kr

R&D Center

- Tel. +82-54-970-5870 / Fax. +82-54-975-7667

DESCO USA Corp.

- 3295 River Exchange Dr #470 Norcross, GA 30092
- Tel. +1-770-559-5914 / Fax. +1-678-615-3076

DESCO(SHANGHAI) Co., Ltd.

- Room 1518, 5616 Caoan Road, Jiading District, Shanghai, China
- Tel. +86-21-6950-2575 / Fax. +86-21-6950-2579

DESCO Engineering Plastics INDIA PVT. Ltd.

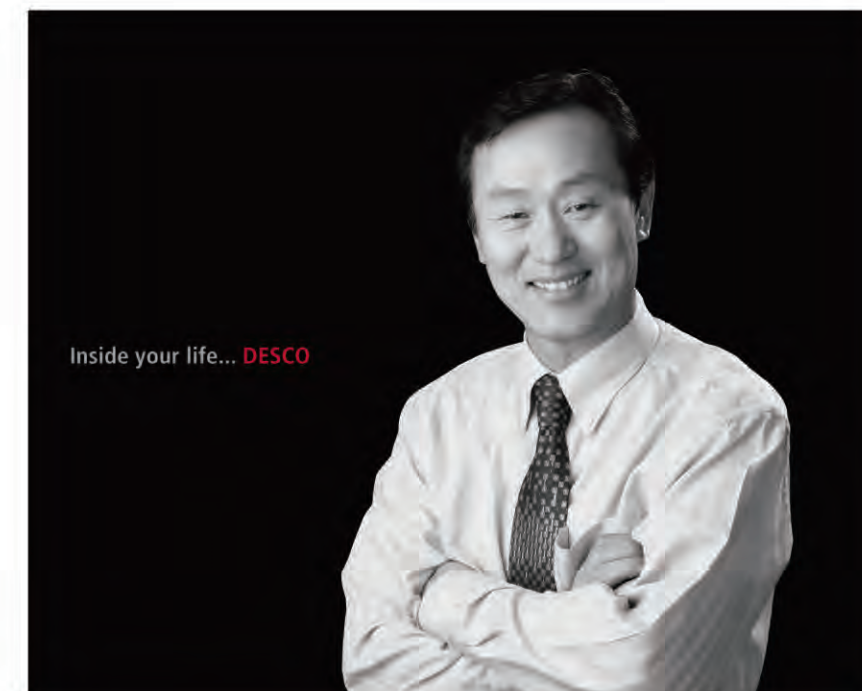
- No. 76/1, Bhuvana Garden Road, Vellappanchavadi, Poonamallee High Road, Chennai <600 077>
- Tel. +91-044-26493043

DESCO POLAND Limited Liability Company

- Aleja Wojciecha Korfanteo 138, 40-156 Katowice, Poland
- Tel. +48-508-410-336

Overview

CEO'S MESSAGE



Engineering Plastics Solution Company

We have concentrated research on the plastic engineering field and to develop application since 1982. Under two management ideologies, we have been developing and supplying industries such as automobiles, electronics & electrical, and over 10,000 industrial products related to engineering plastics.

It'll help to create value for both customers and employees and the firm's obtainment of immaterial assets. We'd like to introduce our accumulated application technology thus far, as well as to increase our clientele and to realized the world of new innovations in plastics.

"Just as how an idea can contribute to great improvement, we are starting with your small interest."

President Kim Eun Tae

Overview

OUR HISTORY

- Dec 1982

Started Dae-Seung Corp. as business specialized in Engineering Plastics development & Business solution
- Aug 1999

Established "DESCO Co., Ltd." specialized in ENPLA Compound
- Nov 2003

Acquisition of ISO 14001 Certificate
- Aug 2004

Established R&D Center
- May 2005

Recognized as leading company for Parts & Material : Ministry of Commerce, Industry and Energy
- Feb 2007

Acquisition of ISO / TS16949 Certificate
- July 2007

Acquired NET(New Excellent Technology) from the Ministry of Science Technology
- Aug 2008

Established DESCO China
- Jan 2009

Established DESCO EP India
- Aug 2010

Selected a major developer for World Premier Material Project from Korea Government : Polyketone for EP
- Dec 2011

Awarded Export Sales 10 Mil.USD from Prime Minister & Knowledge Economy Minister
- June 2014

Completed Seoungju Plant
- Mar 2015

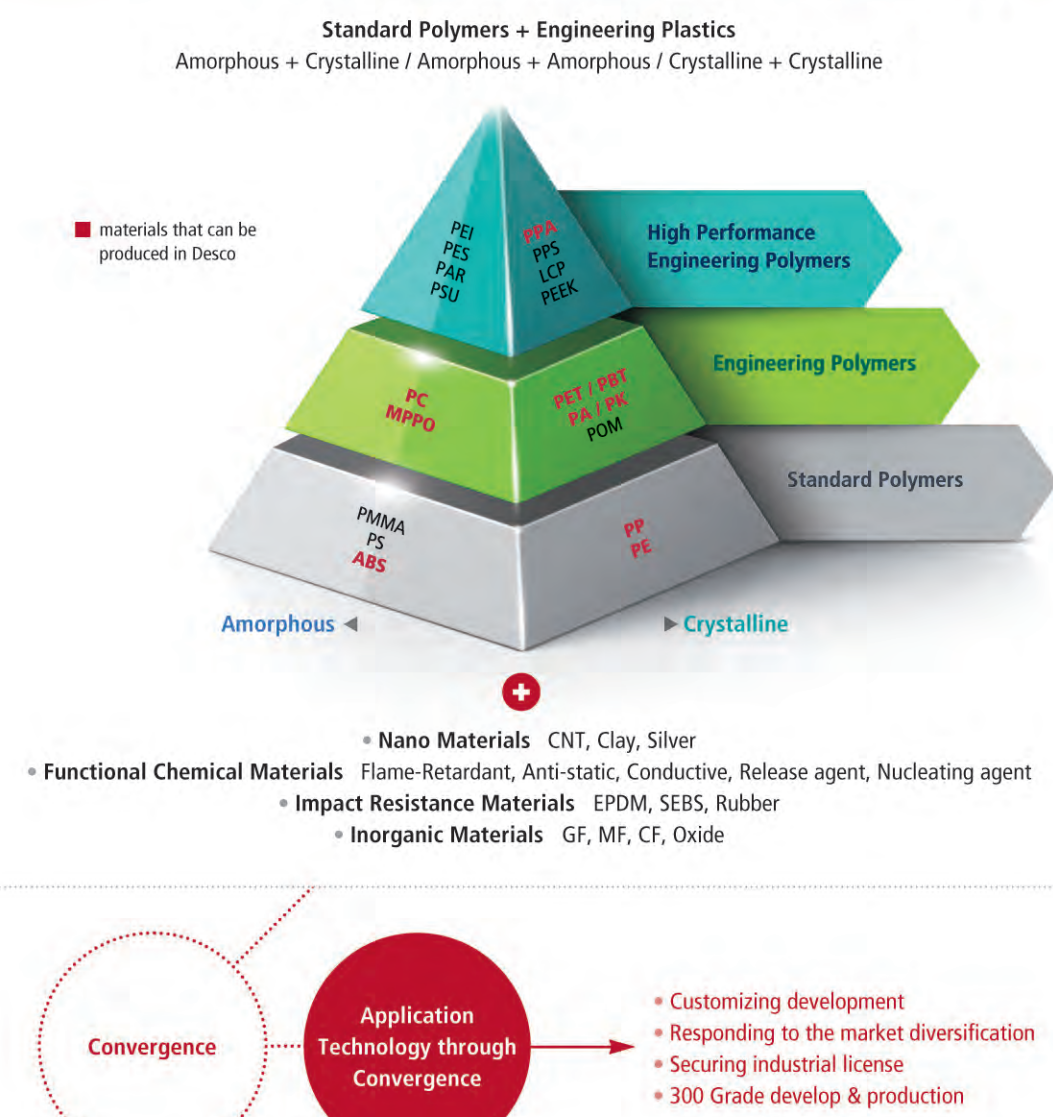
Established USA Branch(Incorporated on Mar., 2015)
- Jan 2017

Established DESCO Poland



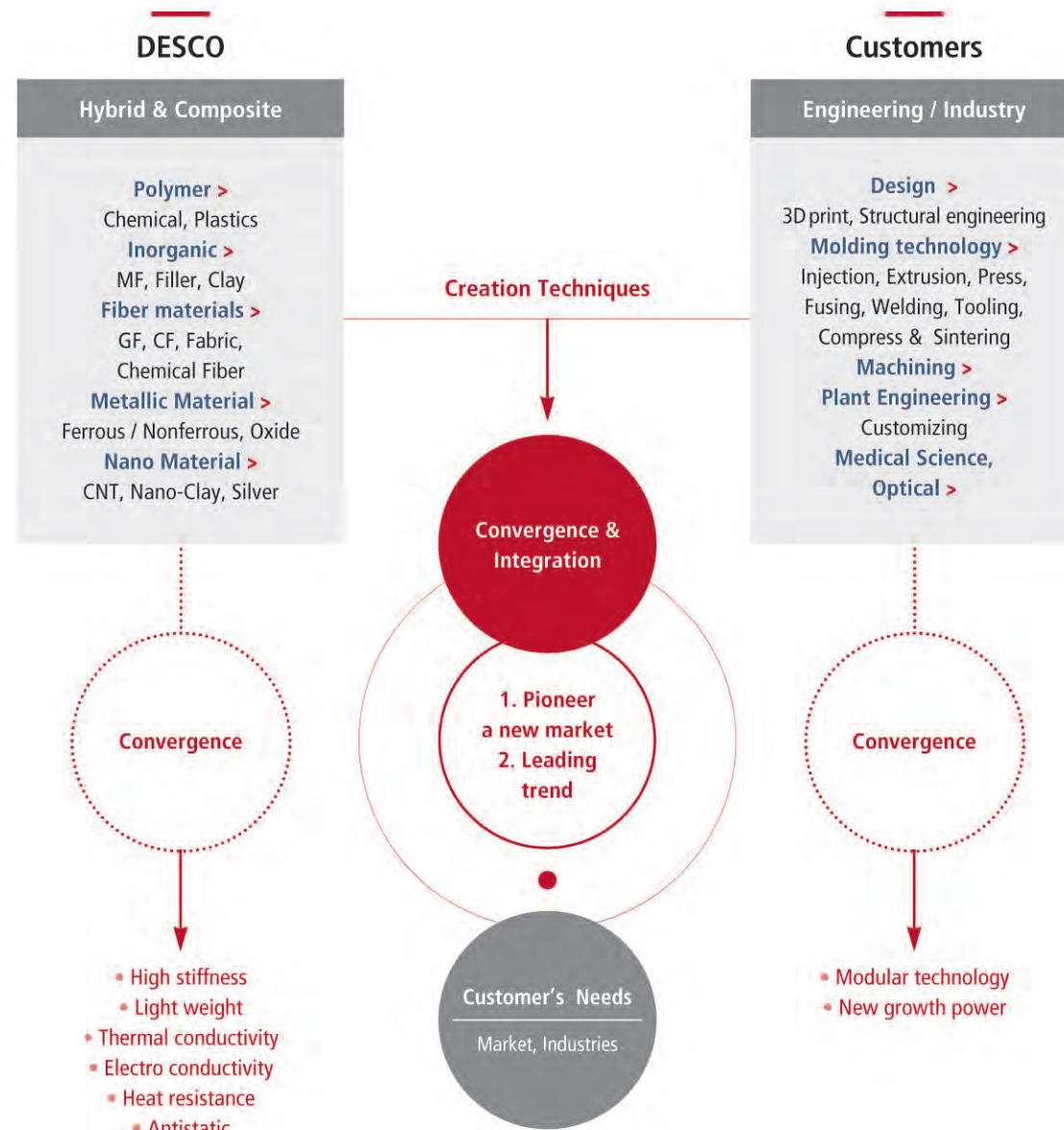
Overview

DESCO BUSINESS AREA



Overview

THE CHANGE OF SOURCE TECHNOLOGY & DESCO FOCUS



Overview

STANDARD PRODUCTS

DESLON® 6	Polyamide 6 Resin GF, MF Reinforced, Impact, Flame Retardant	> 130 Grades
DESLON® 66	Polyamide 66 Resin GF, MF Reinforced, Impact, Flame Retardant	> 120 Grades
DESOX®	PBT/PET Resin GF, MF Reinforced, Flame Retardant	> 20 Grades
DESLOY®	PC & Alloy Resin(PC/ABS, PC/PBT, etc.) GF, MF Reinforced, Flame Retardant	> 20 Grades
DESTRON®	PPA(Polyphthalamide), PA612, MPPO GF Reinforced Resin	> 10 Grades
DESTONE®	PK(Polyketone) GF Reinforced, Alloyed Resin	> 30 Grades
DESLEN®	PP(Polypropylene) Resin GF Reinforced Resin	> 30 Grades



Pioneer for a new market of advanced plastic materials.
It is Desco. Desco will continue to improve technology and solution
to create a bright future for all humans.

AUTOMOTIVE INTERIOR PARTS

D-Ring	Garnish Frame	Safe Belt Case Gear
Trim Guide	Tongue	
Sun Visor Clip	Air Bag Mount Bracket	
Seat Fastener	Seat Lever Lock	
Recliner Lever	Trunk Bumper/Plug	
Trunk Handle Bracket	Head Rest Pole Guide	
Window Regulator Handle	Power Outlet	
Inside Handle Bracket	3 Row Seat Lever	
Seat Part	Side Mirror Box	
Integrate Case Bracket	Console Bracket	
Glove Box Knob	Quarter Glass Handle	
Room Lamp Bracket	Tilt Lever	
LPG Cover	Rain Sensor Cover	



Automotive Interior Parts

D-RING

DESILON® 6

DSC121HI

Information on
Applied Products

Product Functions

Supports and locks safety belt.

Required Feature of Product

1. Impact resistance 2. Light resistance 3. Surface appearance

Material and
Mechanical
Property DataDSC121HI is impact modified grade on polyamide6.
It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	55
Flexural Strength	ISO 178	MPa	90
Flexural Modulus	ISO 178	MPa	2,300
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec.

Applied Models

Hyundai Motors & Kia Motors : D-ring A, D-ring F, D-ring K

Molders

Samsung

Automotive Interior Parts

TRIM GUIDE

DESILON® 6

DSC121HI

Information on
Applied Products

Product Functions Prevents seat belt twist for passengers.

Required Feature of Product

1. Impact resistance 2. Light resistance 3. Surface appearance

Material and
Mechanical
Property DataDSC121HI is impact modified grade on polyamide6.
It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	55
Flexural Strength	ISO 178	MPa	90
Flexural Modulus	ISO 178	MPa	2,300
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec.

Applied Models

Hyundai Motors & Kia Motors & Genesis : BR2(Brazil production HB20 follow-up),
RG3(Genesis), QV(Mega Truck), MQ4(Sorento), JX1(Genesis SUV)

Molders

Samsung

Automotive Interior Parts

SUN VISOR CLIP

DESILON® 6

DSC121HI

Information on
Applied Products

Product Functions

Sun visor holder

Required Feature of Product

1. Dimensional stability 2. Impact resistance 3. Light resistance

Material and
Mechanical
Property Data

DSC121HI is impact modified grade on polyamide6.
It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	55
Flexural Strength	ISO 178	MPa	90
Flexural Modulus	ISO 178	MPa	2,300
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec.

Applied Models

Hyundai Motors & Kia Motors cars : TQ(Starex), DN8(Sonata), Gsb-ix25 Brazil, QL(Sportage)

Molders

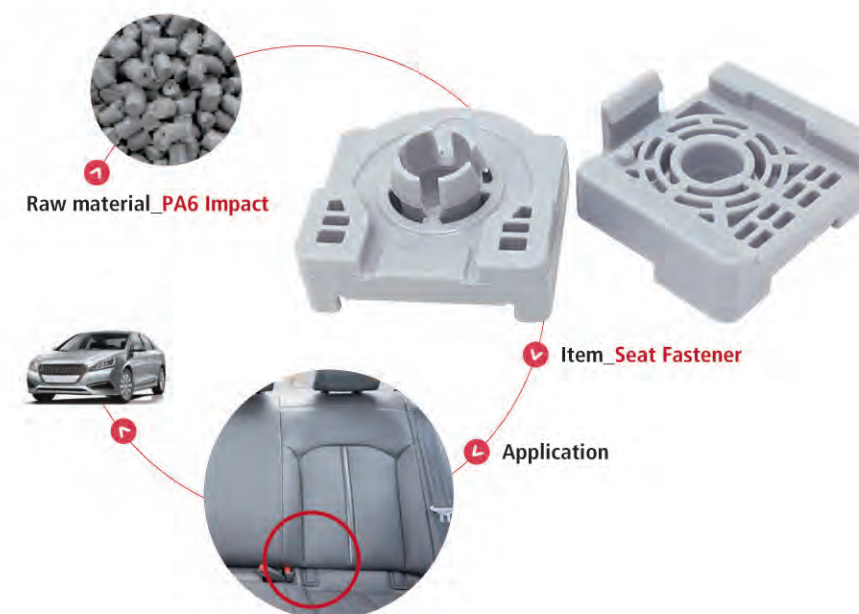
Yongsan, Gwangsung

Automotive Interior Parts

SEAT FASTENER

DESILON® 6

DSC121HI

Information on
Applied Products

Product Functions

Fastens seat belt.

Required Feature of Product

1. Dimensional stability 2. Impact resistance

Material and
Mechanical
Property Data

DSC121HI is impact modified grade on polyamide6.
It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	55
Flexural Strength	ISO 178	MPa	90
Flexural Modulus	ISO 178	MPa	2,300
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

Chennai CNC(India), Nifco

Automotive Interior Parts

RECLINER LEVER

DESILON® 6

DSC104GM

Information on
Applied Products

Product Functions

Seat height recliner lever.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Surface appearance

Material and
Mechanical
Property Data

DSC104GM is reinforced with glass fiber & mineral 40% on polyamide6.
It has excellent mechanical properties and heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.46
Tensile Strength	ISO 527	MPa	110
Elongation	ISO 527	%	2.0
Flexural Strength	ISO 178	MPa	180
Flexural Modulus	ISO 178	MPa	8,500
Charpy Impact Strength	ISO 1791	KJ/m ²	7

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-91, GM : GMW16280P-PA6-M25GF15

Applied Models

GM Motors : G-SUV Chevy

Molders

Hyunnam Mexico, ITW Daelim

Automotive Interior Parts

TRUNK HANDLE BRACKET

DESILON® 6

DSC104GM

Information on
Applied Products

Product Functions

Durable trunk handle bracket to hold the trunk door.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Surface appearance

Material and
Mechanical
Property Data

DSC104GM is reinforced with glass fiber & mineral 40% on polyamide6.
It has excellent mechanical properties and heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.46
Tensile Strength	ISO 527	MPa	110
Elongation	ISO 527	%	2.0
Flexural Strength	ISO 178	MPa	180
Flexural Modulus	ISO 178	MPa	8,500
Charpy Impact Strength	ISO 1791	KJ/m ²	7

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-91, GM : GMW16280P-PA6-M25GF15

Applied Models

GM Motors : G-SUV(Trax)

Molders

Sinjin Plastics

Automotive Interior Parts

WINDOW REGULATOR HANDLE

DESILON® 6

DSC101G3

Information on
Applied Products**Product Functions** Manually raises and lowers the car window.**Required Feature of Product**

1. Stiffness 2. Light resistance 3. Surface appearance

Material and
Mechanical
Property DataDSC101G3 is reinforced with glass fiber 15% on polyamide6.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.23
Tensile Strength	ISO 527	MPa	120
Elongation	ISO 527	%	3.7
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	5,900
Charpy Impact Strength	ISO 1791	KJ/m²	5.5

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-1,
GM : GMW3029P-PA6-GF15H

Applied Models

Common specification of Hyundai Motors & Kia Motors

Molders

ITW Daelim

Automotive Interior Parts

INSIDE HANDLE BRACKET

DESILON® 6

DSC101G3

Information on
Applied Products**Product Functions** Inside door handle bracket.**Required Feature of Product**

1. Stiffness 2. Dimensional stability 3. Surface appearance

Material and
Mechanical
Property DataDSC101G3 is reinforced with glass fiber 15% on polyamide6.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.23
Tensile Strength	ISO 527	MPa	120
Elongation	ISO 527	%	3.7
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	5,900
Charpy Impact Strength	ISO 1791	KJ/m²	5.5

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-1,
GM : GMW3029P-PA6-GF15H

Applied Models

Hyundai Motors & Kia Motors cars : TL(Tucson), TM(Santafe), YG(K7)

Molders

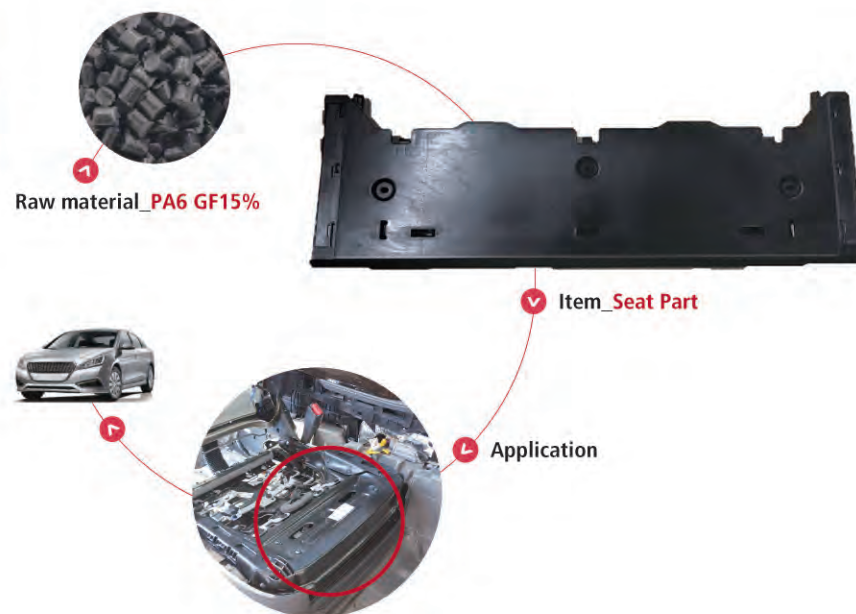
Sambo ANT

Automotive Interior Parts

SEAT PART

DESILON® 6

DSC101G3

Information on
Applied Products**Product Functions** Interior seat bracket.**Required Feature of Product**

1. Stiffness 2. Excellent mold release

Material and
Mechanical
Property DataDSC101G3 is reinforced with glass fiber 15% on polyamide6.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.23
Tensile Strength	ISO 527	MPa	120
Elongation	ISO 527	%	3.7
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	5,900
Charpy Impact Strength	ISO 1791	KJ/m²	5.5

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-1,
GM : GMW3029P-PA6-GF15H

Applied Models

Hyundai Motors cars : TM(Santafe)

Molders

DAS

Automotive Interior Parts

INTEGRATE CASE BRACKET

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Interior light switch bracket.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : DN8(Sonata)

Molders

Shinjin Chemistry

Automotive Interior Parts

GLOVE BOX KNOB

DESILON® 6

DSC101G3

Information on
Applied Products**Product Functions** Glove box knob.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC101G3 is reinforced with glass fiber 15% on polyamide6.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.23
Tensile Strength	ISO 527	MPa	120
Elongation	ISO 527	%	3.7
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	5,900
Charpy Impact Strength	ISO 1791	KJ/m ²	5.5

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-1,
GM : GMW3029P-PA6-GF15H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

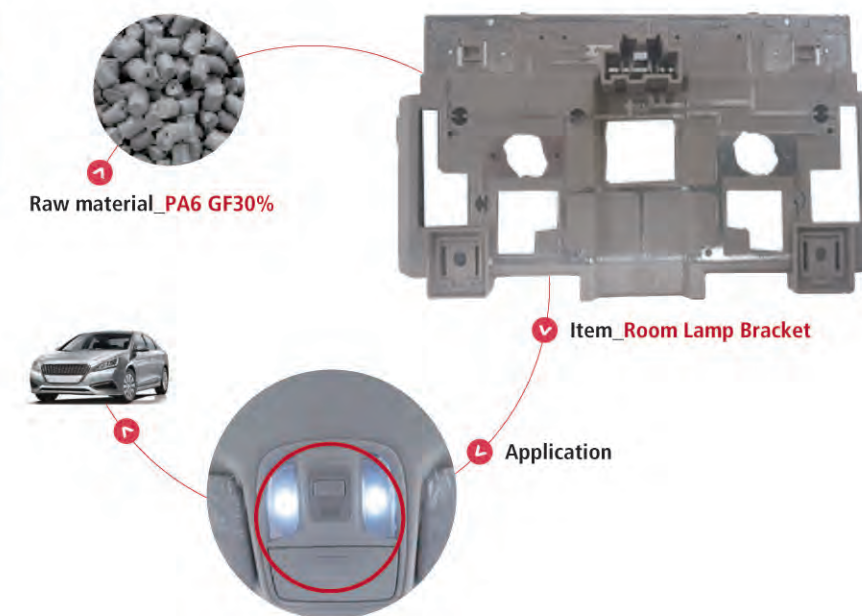
Sambo ANT

Automotive Interior Parts

ROOM LAMP BRACKET

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Interior light module bracket.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

Il heung

Automotive Interior Parts

LPG COVER

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Protects LPG gauge on LPG car trunk.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Hyundai Motors & Kia Motors cars

Molders

Dayou Industry

Automotive Interior Parts

GARNISH FRAME

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Interior front dash decoration**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Exclusive for GM Motors : D2LC specification

Molders

Daedong System

Automotive Interior Parts

TONGUE

DESILON® 6

DSC120HS

Information on
Applied Products

Product Functions

Seat belt tongue inserting into buckle to safety belt.

Required Feature of Product

1. Impact resistance 2. Light resistance 3. Surface appearance

Material and
Mechanical
Property Data

DSC120HS is impact modified grade on polyamide6.
It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.06
Tensile Strength	ISO 527	MPa	47
Elongation	ISO 527	%	100
Flexural Strength	ISO 178	MPa	67
Flexural Modulus	ISO 178	MPa	1,680
Charpy Impact Strength	ISO 1791	KJ/m ²	35

Approved OEM

Approved Spec.

Applied Models

Hyundai Motors & Kia Motors : B Tongue, SB20, SB30, Locking Tongue

Molders

Samsong

Automotive Interior Parts

AIR BAG MOUNT BRACKET

DESILON® 6

DSC101SG8

Information on
Applied Products

Product Functions Air bag mount bracket. Endures high pressure of air bag release.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Impact resistance

Material and
Mechanical
Property Data

DSC101SG8 is impact modified grade and reinforced with glass fiber 40% on polyamide6.
It has excellent mechanical properties, stiffness and impact resistance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.41
Tensile Strength	ISO 527	MPa	175
Elongation	ISO 527	%	4.2
Flexural Strength	ISO 178	MPa	280
Flexural Modulus	ISO 178	MPa	10,200
Charpy Impact Strength	ISO 1791	KJ/m ²	25

Approved OEM

Approved Spec. Mobis spec. : M2302-M-21

Applied Models

Hyundai Motors, Kia Motors, Genesis : JX1(Genesis), ON(Mohave North America spec.), MQ4(Sorento)

Molders

KD, Pungjin

Automotive Interior Parts

SEAT LEVER LOCK

DESILON® 66

DSC201HI

Information on
Applied Products

Product Functions

Seat Lever.

Required Feature of Product

1. Impact resistance 2. Surface appearance

Material and
Mechanical
Property Data

DSC201HI is impact modified grade on polyamide66.
It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	55
Elongation	ISO 527	%	100
Flexural Strength	ISO 178	MPa	79
Flexural Modulus	ISO 178	MPa	1,890
Charpy Impact Strength	ISO 1791	KJ/m ²	29.5

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai & Kia Motors

Molders

DAS India

Automotive Interior Parts

TRUNK BUMPER/PLUG

DESILON® 66

DSC201HI

Information on
Applied Products

Product Functions

Highly impact absorbent attached to the area where impact and friction occur.

Required Feature of Product

1. Dimensional stability 2. Impact resistance

Material and
Mechanical
Property Data

DSC201HI is impact modified grade on polyamide66.
It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	55
Elongation	ISO 527	%	100
Flexural Strength	ISO 178	MPa	79
Flexural Modulus	ISO 178	MPa	1,890
Charpy Impact Strength	ISO 1791	KJ/m ²	29.5

Approved OEM

Approved Spec.

Applied Models

Hyundai Motors & Kia Motors SUV cars : TL(Tucson), QL(Sportage)

Molders

Dong-A Hwa Sung

Automotive Interior Parts

HEAD REST POLE GUIDE

DESILON® 66

DSC201R

Information on
Applied Products

Product Functions

Holds and adjusts the head rest in the car seat.

Required Feature of Product

1. Impact resistance 2. Surface feature

Material and
Mechanical
Property Data

DSC201R is unreinforced grade based on polyamide66 for improved mold release.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.13
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	4.0
Flexural Strength	ISO 178	MPa	105
Flexural Modulus	ISO 178	MPa	2,500
Charpy Impact Strength	ISO 1791	KJ/m ²	6

Approved OEM

Approved Spec. MS211-46 TYPE A

Applied Models

Hyundai Motors & Kia Motors cars : i20

Molders

Myeongseon

Automotive Interior Parts

POWER OUTLET

DESILON® 66

DSC201R

Information on
Applied Products

Product Functions

Power outlet cover.

Required Feature of Product

1. Impact resistance 2. Surface feature

Material and
Mechanical
Property Data

DSC201R is unreinforced grade based on polyamide66 for improved mold release.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.13
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	4.0
Flexural Strength	ISO 178	MPa	105
Flexural Modulus	ISO 178	MPa	2,500
Charpy Impact Strength	ISO 1791	KJ/m ²	6

Approved OEM

Approved Spec. MS211-46 TYPE A

Applied Models

Common specification of Hyundai Motor & Kia Motors

Molders

Unique

Automotive Interior Parts

3 ROW SEAT LEVER

DESILON® 66

DSC201R

Information on
Applied Products

Product Functions
Folds and unfolds the 3rd row seat of vehicle.

Required Feature of Product
1. Impact resistance 2. Surface appearance

Material and
Mechanical
Property Data

DSC201R is unreinforced grade based on polyamide66 for improved mold release.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.13
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	4.0
Flexural Strength	ISO 178	MPa	105
Flexural Modulus	ISO 178	MPa	2,500
Charpy Impact Strength	ISO 1791	KJ/m ²	6

Approved OEM Approved Spec. MS211-46 TYPE A

Applied Models Common specification of Hyundai Motors & Kia Motors SUV cars

Molders ITW Daelim

Automotive Interior Parts

SIDE MIRROR BOX

DESILON® 66

DSC201HIG3

Information on
Applied Products

Product Functions
Side mirror and car windows control bracket.

Required Feature of Product
1. Stiffness 2. Dimensional stability 3. Surface appearance

Material and
Mechanical
Property Data

DSC201HIG3 is impact modified and reinforced with glass fiber 15% on polyamide66.
It has excellent mechanical strength and impact resistance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.21
Tensile Strength	ISO 527	MPa	115
Elongation	ISO 527	%	3.3
Flexural Strength	ISO 178	MPa	185
Flexural Modulus	ISO 178	MPa	5,000
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM Approved Spec. Hyundai & Kia Motors : MS941-07 TYPE B, GM : GMW3038P-PA66-GF15H

Applied Models Common specification of Hyundai Motors & Kia Motors cars

Molders LS AUTO

Automotive Interior Parts

CONSOLE BRACKET

DESILON® 66

DSC201GH6

Information on
Applied Products

Product Functions

Interior console bracket for storage space and arm support.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC201GH6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF30H

Applied Models

Apply to Ssangyong Motor : Y450(Rexton)

Molders

JPC Automotive

Automotive Interior Parts

QUARTER GLASS HANDLE

DESILON® 66

DSC201HIG3

Information on
Applied Products

Product Functions

Locks or unlocks the window for commercial vehicles.

Required Feature of Product

1. Dimensional stability 2. Impact resistance

Material and
Mechanical
Property Data

DSC201HIG3 is impact modified and reinforced with glass fiber 15% on polyamide66.
It has excellent mechanical strength and impact resistance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.21
Tensile Strength	ISO 527	MPa	115
Elongation	ISO 527	%	3.3
Flexural Strength	ISO 178	MPa	185
Flexural Modulus	ISO 178	MPa	5,000
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS941-07 TYPE B, GM : GMW3038P-PA66-GF15H

Applied Models

Hyundai Motors cars : TQ(Starex)

Molders

ITW Daelim

Automotive Interior Parts

TILT LEVER

DESILON® 66

DSC201G6

Information on
Applied Products**Product Functions** Steering wheel adjustment lever.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC201G6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE A-6, GM : GMW3038P-PA66-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : LF(Sonata), JF(K5)

Molders

Hyundai Polytech

Automotive Interior Parts

RAIN SENSOR COVER

DESILON® 66

DSC201G6

Information on
Applied Products**Product Functions** Covers and protects the rain sensor that automatically detects and controls the wiper operation.**Required Feature of Product** 1. Stiffness 2. Dimensional stabilityMaterial and
Mechanical
Property DataDSC201G6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE A-6, GM : GMW3038P-PA66-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : JD(Rio)

Molders

ITW Daelim

Automotive Interior Parts

SAFE BELT CASE GEAR

DESTRON®

DSC1701GH9



Information on Applied Products

Product Functions Winds and unwinds the safe belt.**Required Feature of Product**

1. Stiffness 2. Dimensional stability 3. Heat stability 4. Low moisture absorption

Material and Mechanical Property Data

DSC1701GH9 is PPA base reinforced with glass fiber 45%.

It has excellent heat stability, chemical resistance, low moisture absorption, excellent mechanical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.58
Tensile Strength	ISO 527	MPa	245
Elongation	ISO 527	%	2.1
Flexural Strength	ISO 178	MPa	370
Flexural Modulus	ISO 178	MPa	15,500
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec.

Applied Models

Hyundai Motors & Kia Motors cars : TM(Santafe), CD(Ceed), QX(Venue), JX(Genesis SUV)

Molders

Samsung

AUTOMOTIVE EXTERIOR PARTS

Fuel Filler Door Hinge
Bonnet Hook
Outside Handle Bracket
Step Garnish
Drip Link
Camera Module Socket
Washer Nozzle

DESCO

Automotive Exterior Parts

FUEL FILLER DOOR HINGE

DESILON® 6

DSC102G10

Information on
Applied Products

Product Functions

Fuel door hinge.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC102G10 is reinforced with glass fiber 50% on polyamide6.
It has excellent mechanical properties and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.57
Tensile Strength	ISO 527	MPa	220
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	340
Flexural Modulus	ISO 178	MPa	15,000
Charpy Impact Strength	ISO 1791	KJ/m ²	16

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-64 TYPE A, GM : GMW3029P-PA6-GF50H

Applied Models

Ssangyong Motors : X150(Tivoli), Q210(Korando)

Molders

Sinjin Plastics

Automotive Exterior Parts

BONNET HOOK

DESILON® 6

DSC124GM

Information on
Applied Products

Product Functions

Vehicle bonnet hook for vehicles for Jeep Wrangler.

Required Feature of Product

1. Stiffness 2. Heat stability 3. Surface appearance

Material and
Mechanical
Property Data

DSC124GM is reinforced with glass fiber & mineral 40% on polyamide6.
It has excellent mechanical properties and heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.45
Tensile Strength	ISO 527	MPa	145
Elongation	ISO 527	%	2.3
Flexural Strength	ISO 178	MPa	220
Flexural Modulus	ISO 178	MPa	9,200
Charpy Impact Strength	ISO 1791	KJ/m ²	4.5

Approved OEM

Approved Spec.

Applied Models

Common specification of Chrysler

Molders

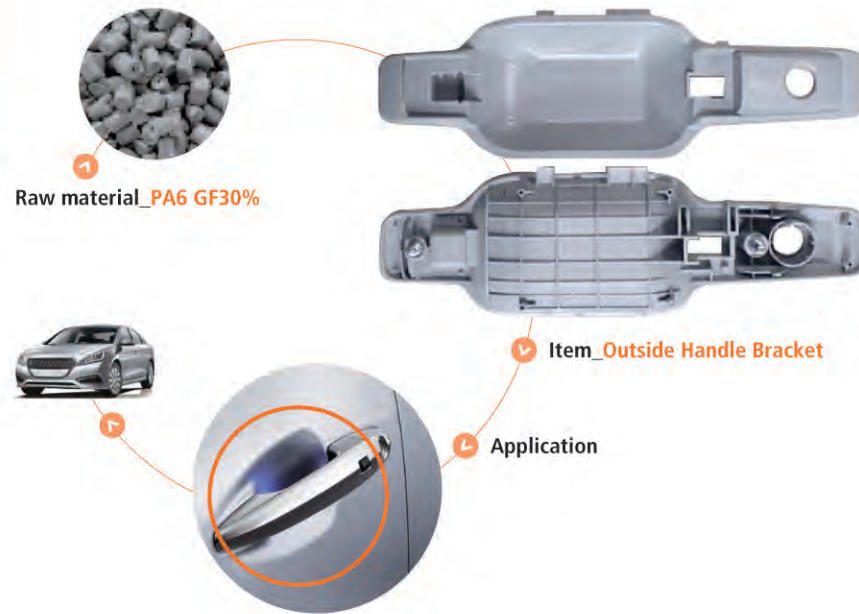
Pyeonghwa Industry

Automotive Exterior Parts

OUTSIDE HANDLE BRACKET

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** A door handle bracket installed on the exterior handle of vehicles.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : DE(Niro)

Molders

Sambo ANT

Automotive Exterior Parts

STEP GARNISH

DESILON® 66

DSC201G6

Information on
Applied Products**Product Functions** Creates friction on steps for people to get on the commercial car.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC201G6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE A-6, GM : GMW3038P-PA66-GF30H

Applied Models

Hyundai Motors & Kia Motors commercial vehicles

Molders

Koryo Corporation

Automotive Exterior Parts

DRIP LINK

DESILON® 66

DSC201G10

Information on
Applied Products

Product Functions

Supports the glass of sun roof.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Weather resistance

Material and
Mechanical
Property DataDSC201G10 is reinforced with glass fiber 50% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.55
Tensile Strength	ISO 527	MPa	227
Elongation	ISO 527	%	2.4
Flexural Strength	ISO 178	MPa	340
Flexural Modulus	ISO 178	MPa	14,680
Charpy Impact Strength	ISO 1791	KJ/m ²	15

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF50H

Applied Models

Hyundai Motors & Kia Motors : DL3(K5), DN8c(Sonata)

Molders

Webasto Korea

Automotive Exterior Parts

CAMERA MODULE SOCKET

DESOX®

DSC401G6

Information on
Applied Products

Product Functions A terminal for connecting the electronic devices of camera module for front, side and rear view of cars.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat stability 4. Low water absorption

Material and
Mechanical
Property DataDSC401G6 is PBT reinforced with glass fiber 30%.
It has excellent stiffness, heat stability and electrical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.50
Tensile Strength	ISO 527	MPa	139
Elongation	ISO 527	%	3.1
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	9,200
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors

Molders

Prettle

Automotive Exterior Parts

WASHER NOZZLE



Information on
Applied Products

Product Functions
Sprays car washer liquid.

Required Feature of Product
1. Dimensional stability 2. Chemical resistance

Material and
Mechanical
Property Data

DSC401HI is impact modified PBT.
It has excellent chemical resistance and dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.21
Tensile Strength	ISO 527	MPa	46
Elongation	ISO 527	%	15.3
Flexural Strength	ISO 178	MPa	67
Flexural Modulus	ISO 178	MPa	1,850
Charpy Impact Strength	ISO 1791	KJ/m ²	38

Approved OEM

Approved Spec. GM : GMW15702-470037

Applied Models

Common specification of Hyundai Motors & Kia Motors

Molders

Nifco

AUTOMOTIVE
POWER TRAIN PARTS

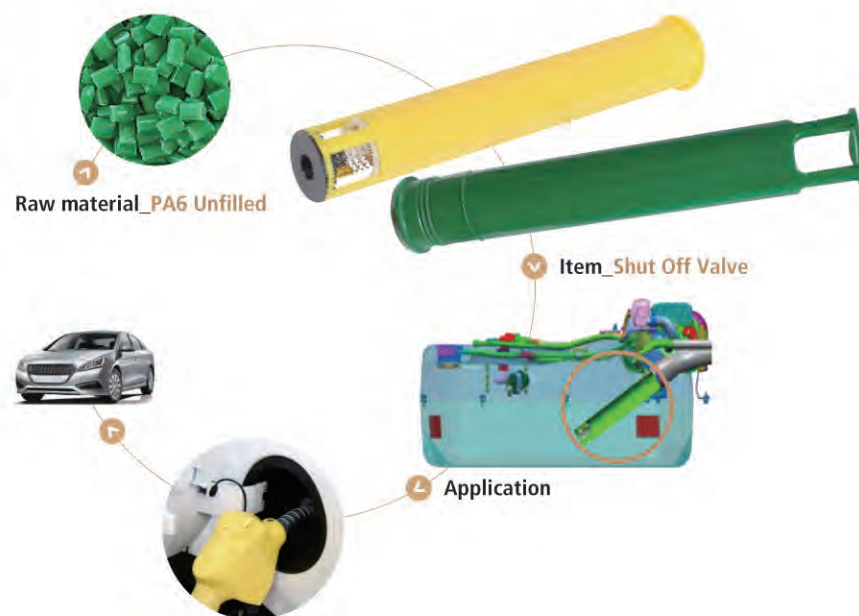
- Shut Off Valve
- Fuel Tube Pipe
- Fuel Filter Support
- Oil Deflector
- Radiator End Tank
- Hydro Engine Mount Nozzle
- PTC Heater Guide
- Emblem
- Valve Body Bracket
- Cylinder Head Cover
- Crank Shaft Position Sensor
- Starter Motor Bush
- Air Intake Manifold
- Water Pipe
- Fuel Pump Part
- Diesel Particle Filter Sensor
- Ignition Coil Case
- Motor Brush Card Mold

Automotive Power Train Parts

SHUT OFF VALVE

DESILON® 6

DSC101R

Information on
Applied Products

Product Functions

A part that prevents fuel from flowing backwards during fuelling.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Chemical resistance

Material and
Mechanical
Property Data

DSC101R is unreinforced polyamide6 with custom color. It has excellent mechanical properties, flowability, moldability and excellent chemical resistance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.13
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	60.0
Flexural Strength	ISO 178	MPa	95
Flexural Modulus	ISO 178	MPa	2,600
Charpy Impact Strength	ISO 1791	KJ/m ²	5

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-44 TYPE A

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

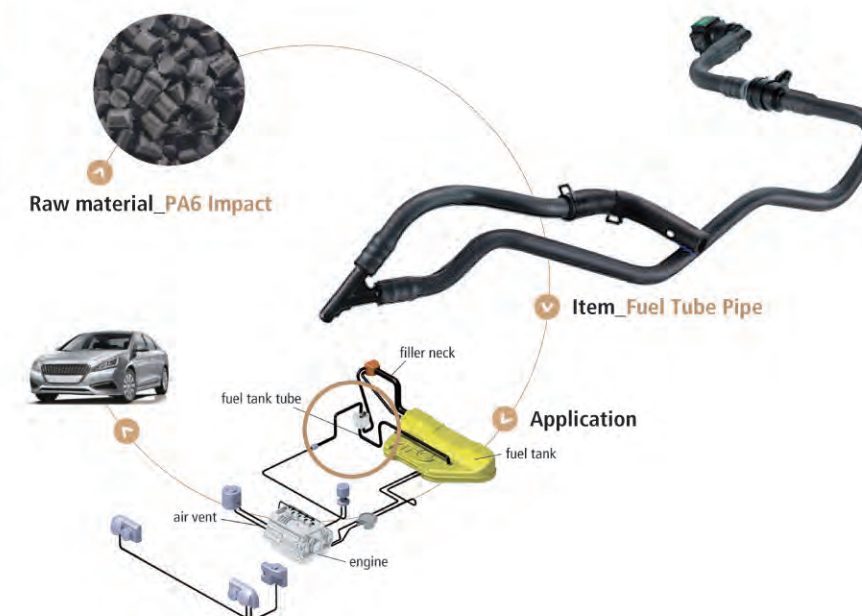
Nifco

Automotive Power Train Parts

FUEL TUBE PIPE

DESILON® 6

DSC121HI

Information on
Applied Products

Product Functions

Supply fuels from fuel tank to fuel pump.

Required Feature of Product

1. Dimensional stability 2. Impact resistance

Material and
Mechanical
Property Data

DSC121HI is impact modified grade on polyamide6. It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	55
Flexural Strength	ISO 178	MPa	90
Flexural Modulus	ISO 178	MPa	2,300
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

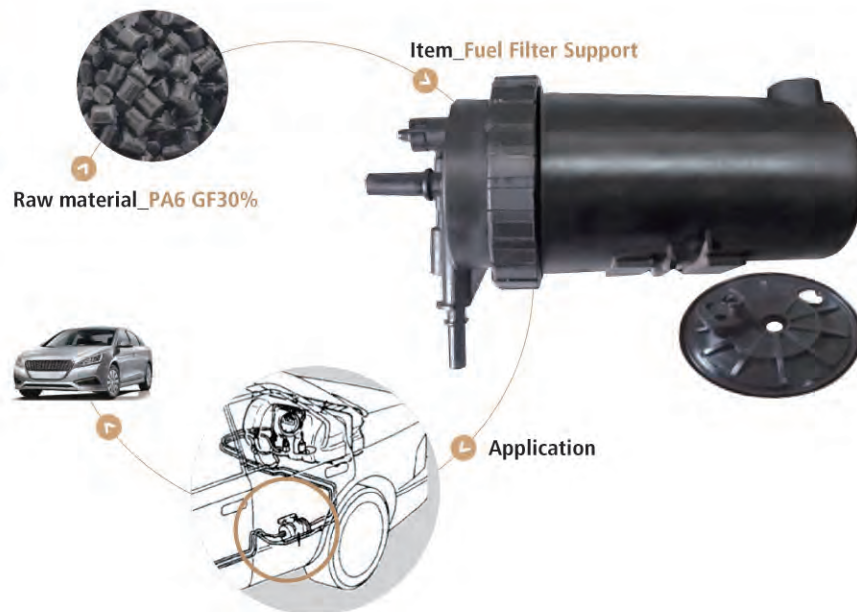
Hanil Tube

Automotive Power Train Parts

FUEL FILTER SUPPORT

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Fuel filter support of vehicles.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Common specification of Mercedes-Benz

Molders

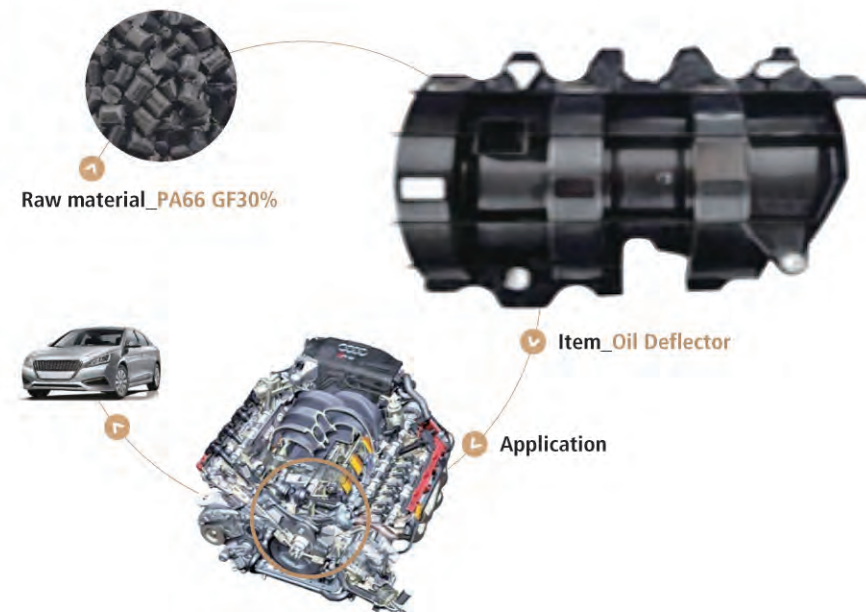
SMS Korea

Automotive Power Train Parts

OIL DEFLECTOR

DESILON® 66

DSC201GH6

Information on
Applied Products**Product Functions**

Prevents engine oil from leaking along crank axis.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat stability

Material and
Mechanical
Property DataDSC201GH6 is polyamide66 reinforced with glass fiber 30%.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF30H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

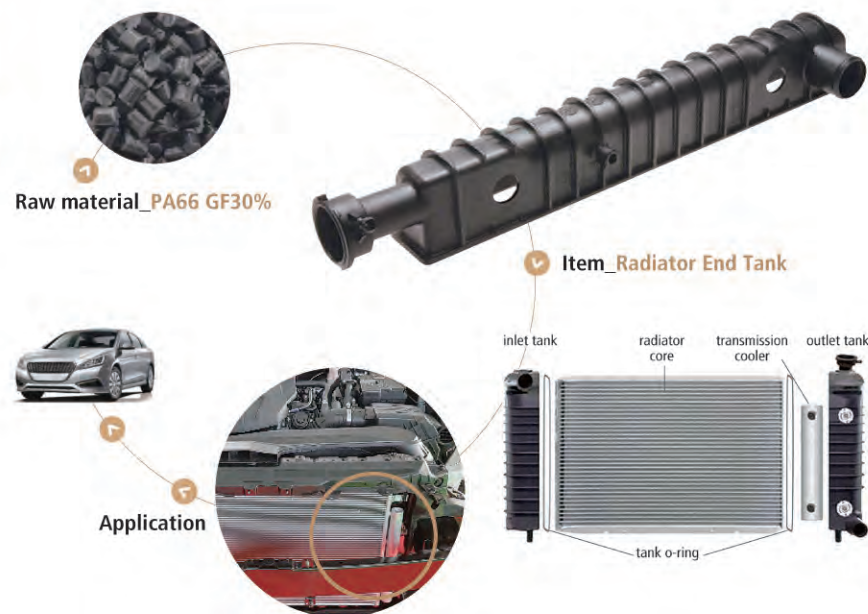
Cheonil ENG

Automotive Power Train Parts

RADIATOR END TANK

DESILON® 66

DSC201GH6

Information on
Applied Products

Product Functions

Radiator functions to discharge the heat generated in the engine.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat stability 4. Chemical resistance

Material and
Mechanical
Property Data

DSC201GH6 is polyamide66 reinforced with glass fiber 30%.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF30H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

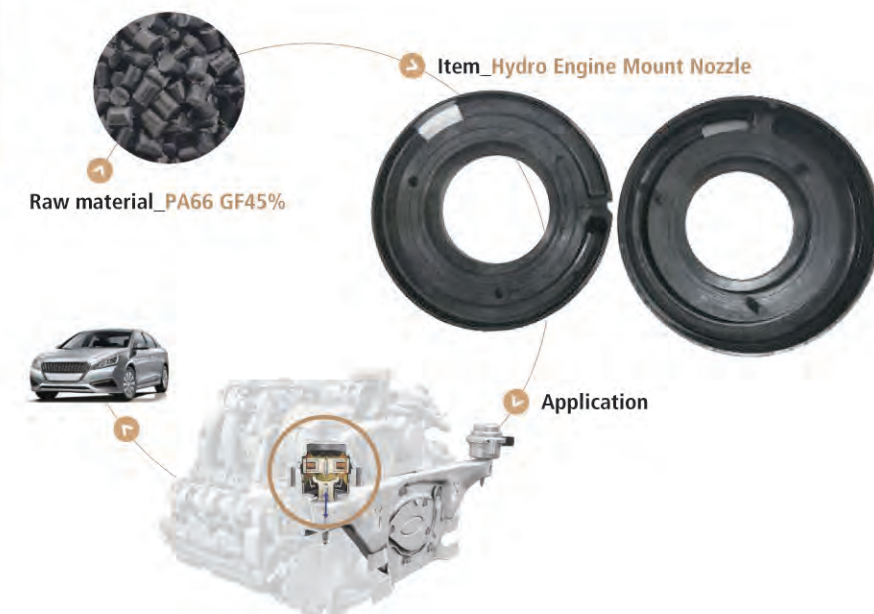
Hanon

Automotive Power Train Parts

HYDRO ENGINE MOUNT NOZZLE

DESILON® 66

DSC201GH9

Information on
Applied Products

Product Functions A part where oil of engine mount flows into, absorbs impact or vibration of car engine.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Impact resistance

Material and
Mechanical
Property Data

DSC201GH9 is reinforced with glass fiber 45% on polyamide66.
It has excellent mechanical strength and long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.50
Tensile Strength	ISO 527	MPa	230
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	350
Flexural Modulus	ISO 178	MPa	13,100
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-3-2

Applied Models

Hyundai Motors & Kia Motors cars : HI(Grandeur), AD(Avante)

Molders

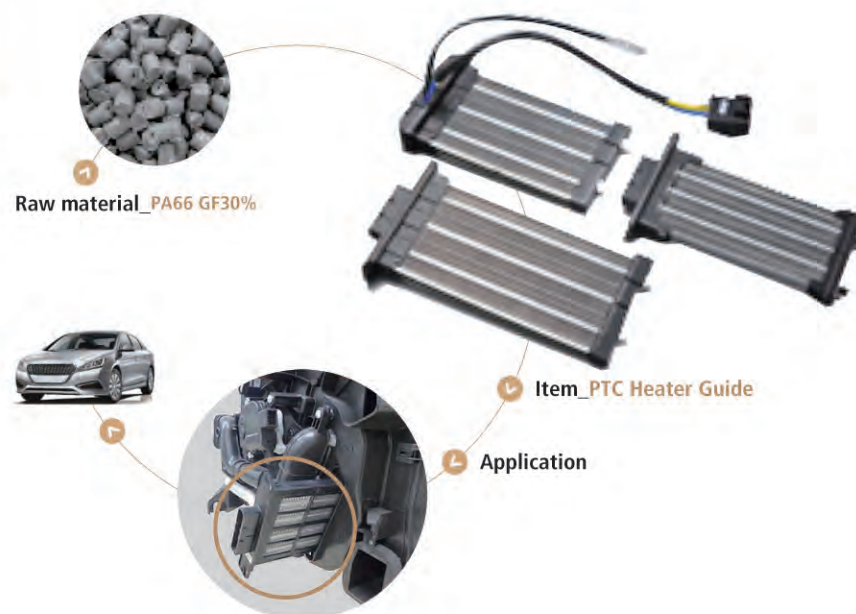
Pyeonghwa Industry

Automotive Power Train Parts

PTC HEATER GUIDE

DESILON® 66

DSC201G6



Information on Applied Products

Product Functions PTC heater frame that functions as guide system that electrically controls coolant temperature by heat.

Required Feature of Product 1. Stiffness 2. Dimensional stability

Material and Mechanical Property Data

DSC201G6 is reinforced with glass fiber 30% on polyamide66. It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE A-6, GM : GMW3038P-PA66-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : Tle(Tucson European spec.)

Molders

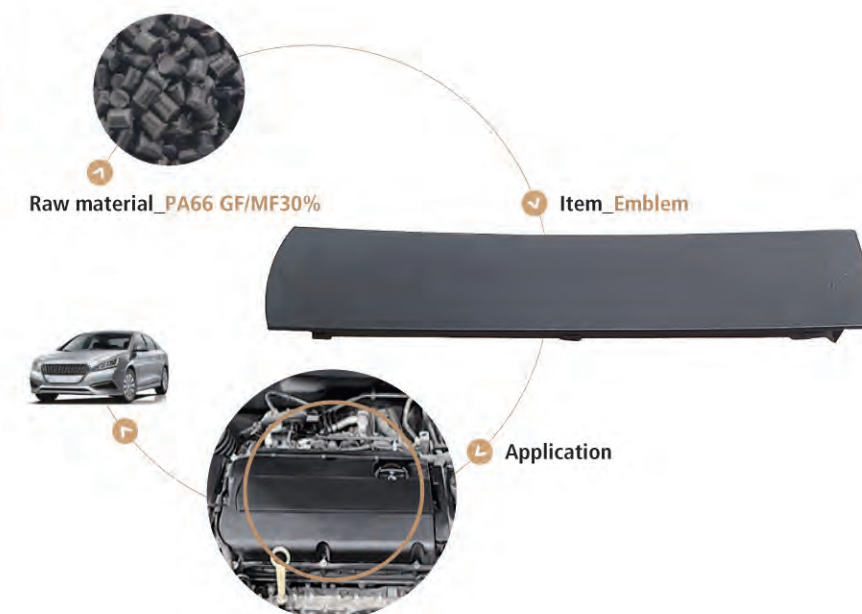
Jahwa Electronics

Automotive Power Train Parts

EMBLEM

DESILON® 66

DSC201GM6



Information on Applied Products

Product Functions

Carved the names on the engine.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Surface appearance

Material and Mechanical Property Data

DSC201GM6 is polyamide66 reinforced with glass fiber and mineral filler 30%. It has excellent warpage and appearance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.36
Tensile Strength	ISO 527	MPa	112
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	180
Flexural Modulus	ISO 178	MPa	6,950
Charpy Impact Strength	ISO 1791	KJ/m ²	4.5

Approved OEM

Approved Spec. GM : GMW15702-430042

Applied Models

GM Motors : GEN 3 engine

Molders

Elringklinger

Automotive Power Train Parts

VALVE BODY BRACKET

DESILON® 66

DSC211GH7

Information on
Applied Products**Product Functions** Valve body bracket that covers and protects valve body.**Required Feature of Product**

1. Stiffness 2. Dimensional stability 3. Chemical resistance 4. Surface appearance

Material and
Mechanical
Property DataDSC211GH7 is reinforced with glass fiber 35% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.41
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	10,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-61 TYPE-A,
GM : GMW3038P-PA66-GF35H

Applied Models

GM Motors : GF-5 / GF-6 Mission specification

Molders

Cheonil

Automotive Power Train Parts

CYLINDER HEAD COVER

DESILON® 66

DSC201GH7

Information on
Applied Products**Product Functions**

Protects cylinder head that supplies airs and fuel to the engine combustion chamber.

Required Feature of Product 1. Stiffness 2. Dimensional stability 3. Chemical resistanceMaterial and
Mechanical
Property DataDSC201GH7 is reinforced with glass fiber 35% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.41
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	10,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF35H

Applied Models

GM Motors : GM GEN3 / SYMC G15_Gasoline 1,500CC spec.,
GM CSS Turbo_Small gasoline spec.

Molders

Elringklinger

Automotive Power Train Parts

CRANK SHAFT POSITION SENSOR

DESILON® 66

DSC211GH7

Information on
Applied Products

Product Functions Cover of crank axis location sensor that has the function of detecting location, rotation, speed and direction inside car engine cylinder.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat resistance 4. Chemical resistance

Material and
Mechanical
Property Data

DSC211GH7 is reinforced with glass fiber 35% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.41
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	10,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-61 TYPE-A, GM : GMW3038P-PA66-GF35H

Applied Models

Hyundai Motors & Kia Motors cars : Kappa improvement, Lamda, new R-ENG, Nu, Gamma specification

Molders

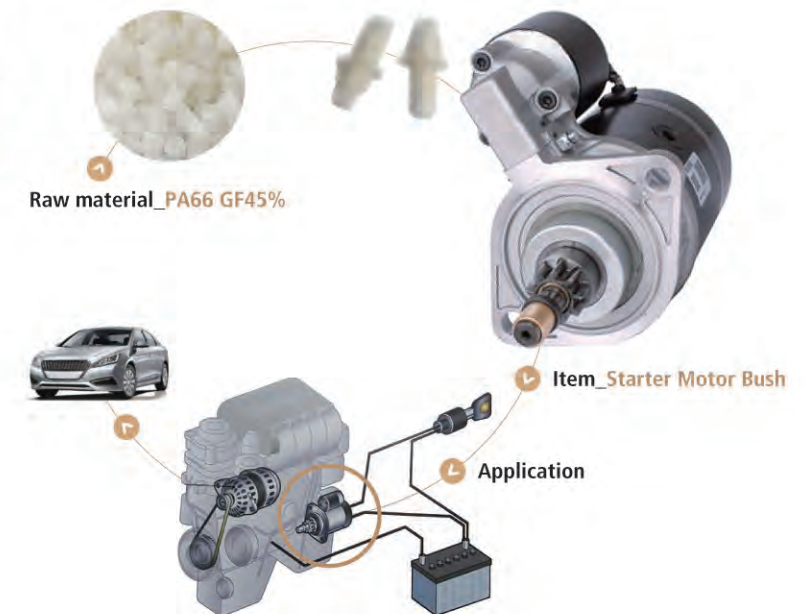
Hyundai Kefico

Automotive Power Train Parts

STARTER MOTOR BUSH

DESILON® 66

DSC201G9

Information on
Applied Products

Product Functions A part of starter motor of vehicle.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC201G9 is base reinforced with glass fiber 45% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.52
Tensile Strength	ISO 527	MPa	240
Elongation	ISO 527	%	3.3
Flexural Strength	ISO 178	MPa	370
Flexural Modulus	ISO 178	MPa	14,500
Charpy Impact Strength	ISO 1791	KJ/m ²	17

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-3-1, GM : GMW3038P-PA66-GF45H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

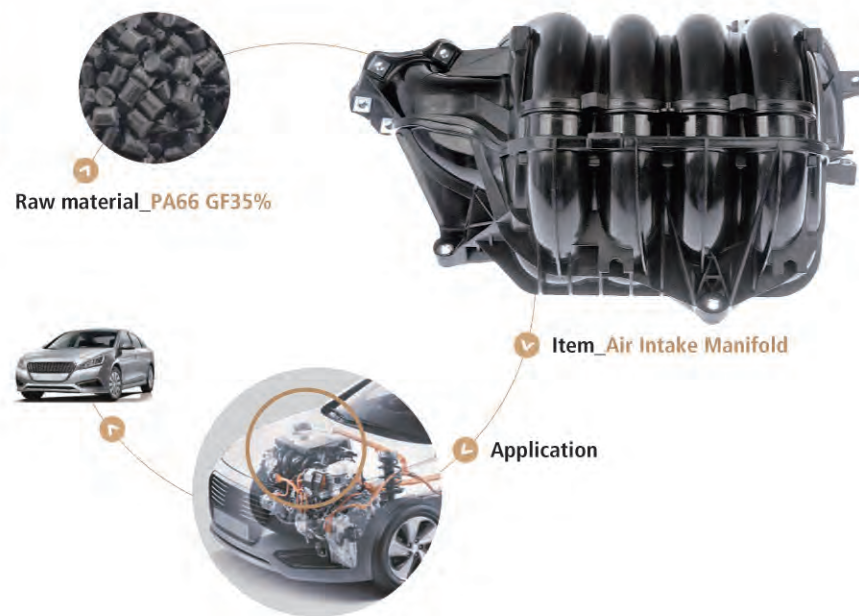
Hyundai Industry

Automotive Power Train Parts

AIR INTAKE MANIFOLD

DESILON® 66

DSC211GH7

Information on
Applied Products**Product Functions** Assemble/support sensor and each part of intake control of engine.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC211GH7 is reinforced with glass fiber 35% on polyamide66.

It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.41
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	300
Flexural Modulus	ISO 178	MPa	10,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-61 TYPE-A,
GM : GMW3038P-PA66-GF35H

Applied Models

Hyundai Motors & Kia Motors cars : R-ENG(SUV diesel cars)

Molders

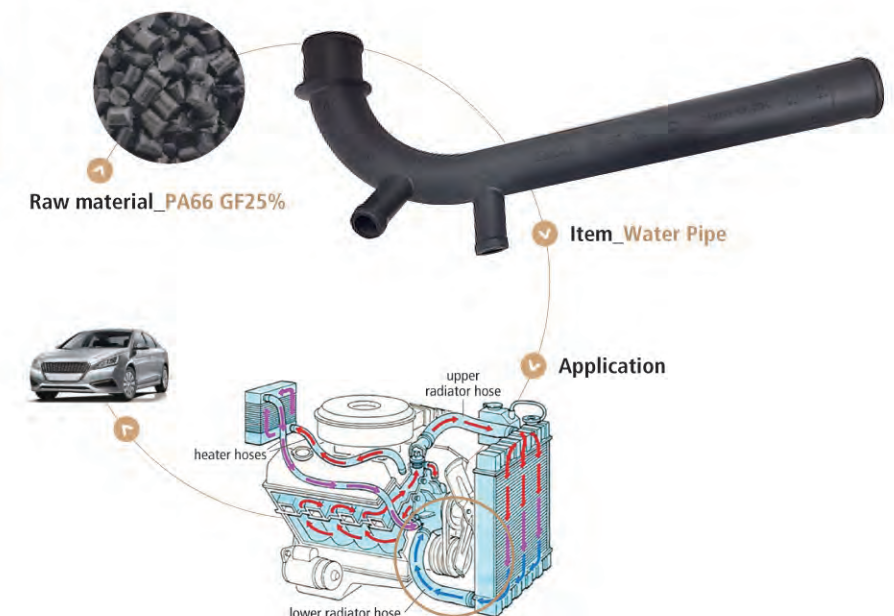
INZI Controls

Automotive Power Train Parts

WATER PIPE

DESILON® 66

DSC201G5

Information on
Applied Products**Product Functions**

Delivers coolant from water pump to engine.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC201G5 is reinforced with glass fiber 25% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.29
Tensile Strength	ISO 527	MPa	170
Elongation	ISO 527	%	3.1
Flexural Strength	ISO 178	MPa	270
Flexural Modulus	ISO 178	MPa	7,500
Charpy Impact Strength	ISO 1791	KJ/m ²	11

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

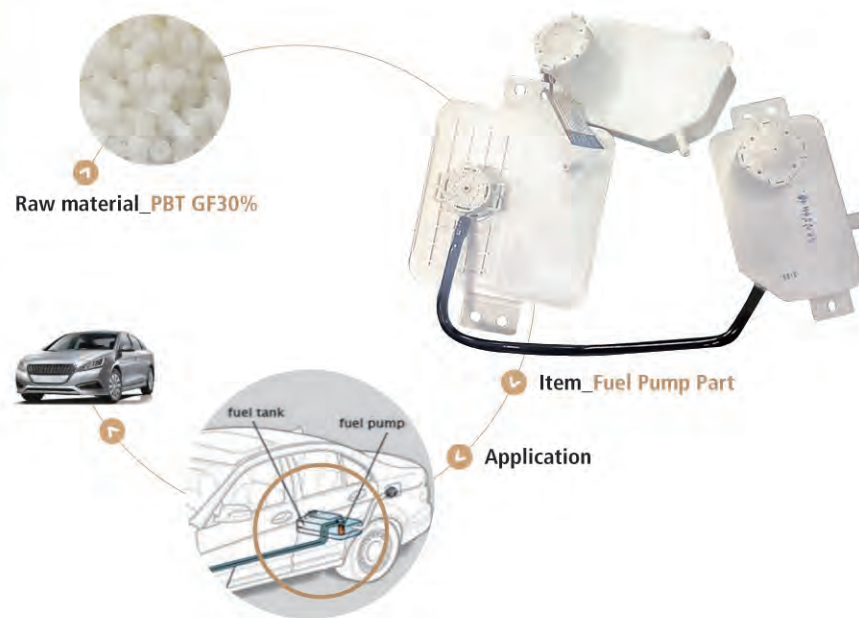
Il Heung

Automotive Power Train Parts

FUEL PUMP PART

DESOX®

DSC401G6

Information on
Applied Products

Product Functions

Delivers fuel from fuel tank to the ejector installed on the engine.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat stability 4. Chemical resistance

Material and
Mechanical
Property Data

DSC401G6 is PBT reinforced with glass fiber 30%.

It has excellent stiffness, heat stability and electrical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.50
Tensile Strength	ISO 527	MPa	139
Elongation	ISO 527	%	3.1
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	9,200
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

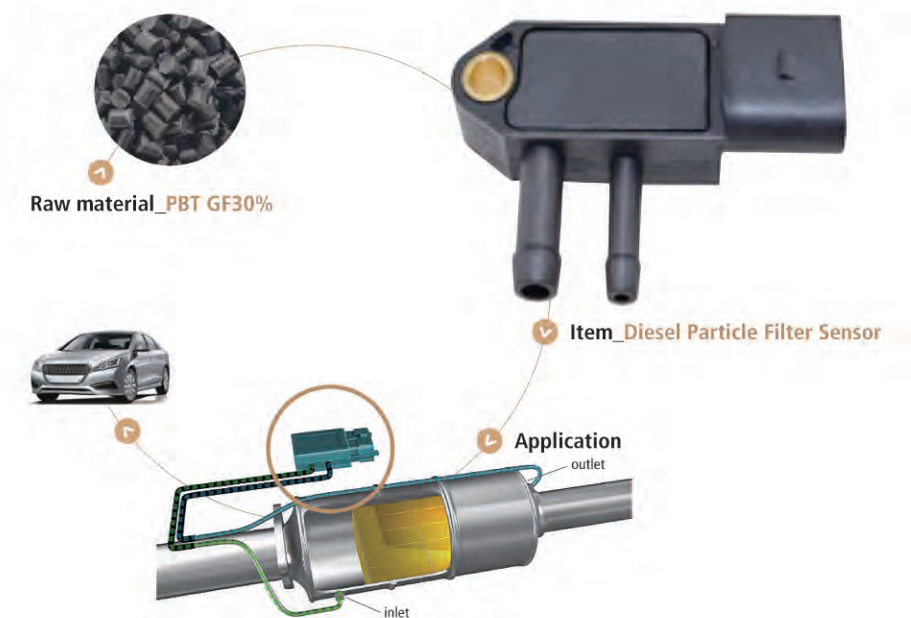
Molders

Automotive Power Train Parts

DIESEL PARTICLE FILTER SENSOR

DESOX®

DSC401G6

Information on
Applied Products

Product Functions

Minimizes fume by adjusting fuel injection pressure.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat stability 4. Low moisture absorption

Material and
Mechanical
Property Data

DSC401G6 is PBT reinforced with glass fiber 30%.

It has excellent stiffness, heat stability and electrical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.50
Tensile Strength	ISO 527	MPa	139
Elongation	ISO 527	%	3.1
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	9,200
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec.

Applied Models

Hyundai Motors & Kia Motors : R-EX101, T295, Q160

Molders

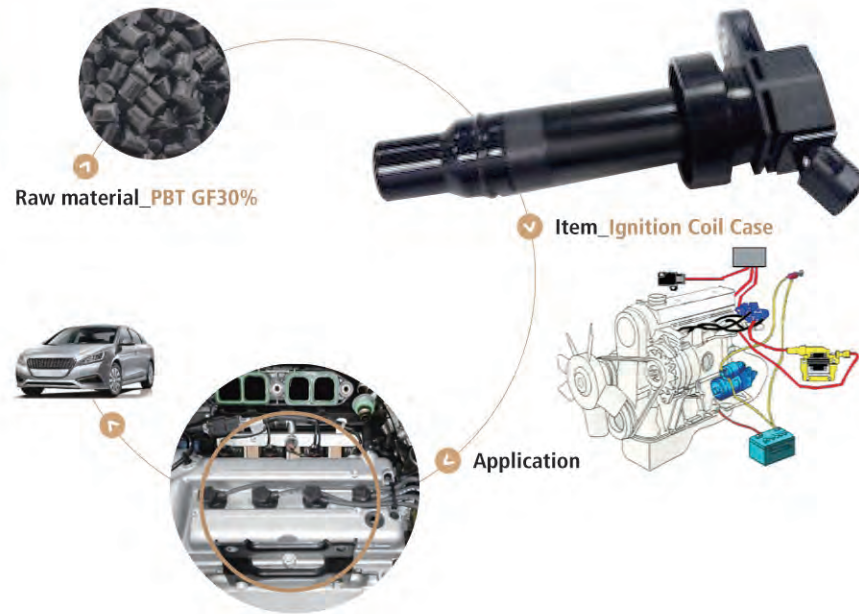
Comet Network

Automotive Power Train Parts

IGNITION COIL CASE

DESOX®

DSC401G6

Information on
Applied Products

Product Functions Protect the induction coil of ignition system which creates electric spark in ignition plug to combust the fuel.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat stability 4. Low water absorption

Material and
Mechanical
Property Data

DSC401G6 is PBT reinforced with glass fiber 30%.
It has excellent stiffness, heat stability and electrical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.50
Tensile Strength	ISO 527	MPa	139
Elongation	ISO 527	%	3.1
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	9,200
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

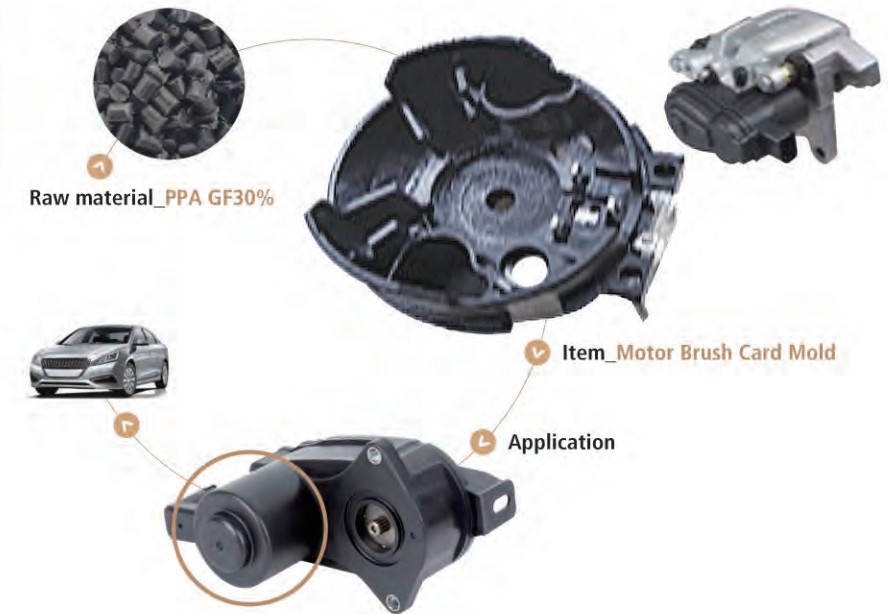
Ura Tech Co., Ltd.

Automotive Power Train Parts

MOTOR BRUSH CARD MOLD

DESTRON®

DSC1701GH6

Information on
Applied Products**Product Functions**

Prevents vibration from motor rotator and contacts the brush to rotator in stable status.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat stability 4. Low moisture absorption

Material and
Mechanical
Property Data

DSC1701GH6 is PPA reinforced with glass fiber 30%. It has excellent mechanical strength, low moisture absorption and excellent chemical resistance, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.42
Tensile Strength	ISO 527	MPa	188
Elongation	ISO 527	%	2.0
Flexural Strength	ISO 178	MPa	275
Flexural Modulus	ISO 178	MPa	10,200
Charpy Impact Strength	ISO 1791	KJ/m ²	10

Approved OEM

Approved Spec.

Applied Models

Hyundai Motors & Kia Motors : SP2(SELTOS)

Molders

Keyang Electrics



Pioneer for a new market of advanced plastic materials.
It is Desco. Desco will continue to improve technology and solution
to create a bright future for all humans.



AUTOMOTIVE CHASSIS PARTS

Front End Module
Clip
Skirt
Radiator Bracket
Side Mirror Frame
Pedal Arm
Headlamp Mount Bracket
Cooling Fan
Active Air Flap
Rod
Knob
TGS Bracket
Canister

Band Cable
Hose Connector
Headlamp Bracket
TGS Shift Lock
TGS Engage
Clutch Master Cylinder Body
Multi Function Switch Frame
Bumper Guide Hinge
Pedal
TGS Lever
Door Window Gear Drum
Hid Headlamp Shaft Pivot
Shock Absorber Cap

Outer Pipe
Worm Wheel
Air Suspension Part
Fuel Filler Cap
Side Mirror Rod
Side Mirror Frame
Headlamp Cooling Fan
EPS Motor Housing
Door Latch Housing
Power Window Motor Housing
Pedal Member
ABS Brake ECU Housing Cover
Wiper Motor Cover

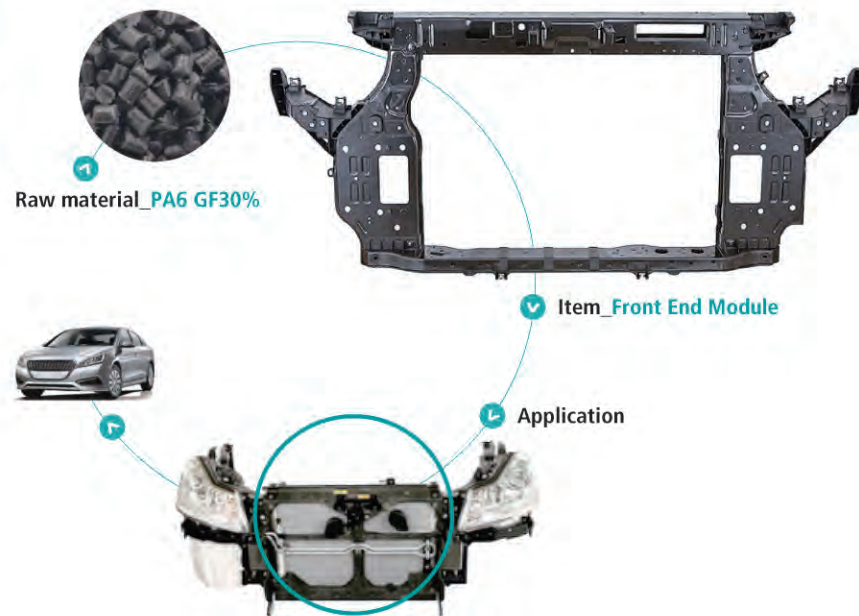


Automotive Chassis Parts

FRONT END MODULE

DESILON® 6

DSC101GH6

Information on
Applied Products

Product Functions Front end module of vehicle that assembles various other parts such as headlamp, radiator assembly and front bumper.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Weather resistance

Material and
Mechanical
Property Data

DSC101GH6 is reinforced with glass fiber 30% polyamide6. It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.36
Tensile Strength	ISO 527	MPa	170
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	300
Flexural Modulus	ISO 178	MPa	12,200
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-65 TYPE C

Applied Models

Hyundai Motors & Kia Motors : UM(Sorento), JF(K5), TAM PE(Ray)

Molders

SHB

Automotive Chassis Parts

CLIP

DESILON® 6

DSC121HI

Information on
Applied Products**Product Functions**

Used in various automotive parts.

Required Feature of Product

1. Dimensional stability 2. Impact resistance

Material and
Mechanical
Property Data

DSC121HI is impact modified grade on polyamide6. It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	55
Flexural Strength	ISO 178	MPa	90
Flexural Modulus	ISO 178	MPa	2,300
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

Nifco

Automotive Chassis Parts

SKIRT

DESILON® 6

DSC101G3

Information on
Applied Products**Product Functions** Connects gear knob and inserts part of transmission lever.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC101G3 is reinforced with glass fiber 15% on polyamide6.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.23
Tensile Strength	ISO 527	MPa	120
Elongation	ISO 527	%	3.7
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	5,900
Charpy Impact Strength	ISO 1791	KJ/m ²	5.5

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-1,
GM : GMW3029P-PA6-GF15H

Applied Models

Hyundai Motors & Kia Motors cars : BD(K3), AD(Avante)

Molders

SL

Automotive Chassis Parts

RADIATOR BRACKET

DESILON® 6

DSC102G10

Information on
Applied Products**Product Functions**

Radiator bracket.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G10 is reinforced with glass fiber 50% on polyamide6.
It has excellent mechanical properties and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.57
Tensile Strength	ISO 527	MPa	220
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	340
Flexural Modulus	ISO 178	MPa	15,000
Charpy Impact Strength	ISO 1791	KJ/m ²	16

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-64 TYPE A, GM : GMW3029P-PA6-GF50H

Applied Models

Hyundai Motors & Kia Motors cars : Uma car types

Molders

DMC

Automotive Chassis Parts

SIDE MIRROR FRAME

DESILON® 6

DSC102G10

Information on
Applied Products

Product Functions

Side mirror frame.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Weather resistance

Material and
Mechanical
Property Data

DSC102G10 is reinforced with glass fiber 50% on polyamide6. It has excellent mechanical properties and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.57
Tensile Strength	ISO 527	MPa	220
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	340
Flexural Modulus	ISO 178	MPa	15,000
Charpy Impact Strength	ISO 1791	KJ/m ²	16

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-64 TYPE A, GM : GMW3029P-PA6-GF50H

Applied Models

Hyundai Motors & Kia Motors cars : Hci(i20)

Molders

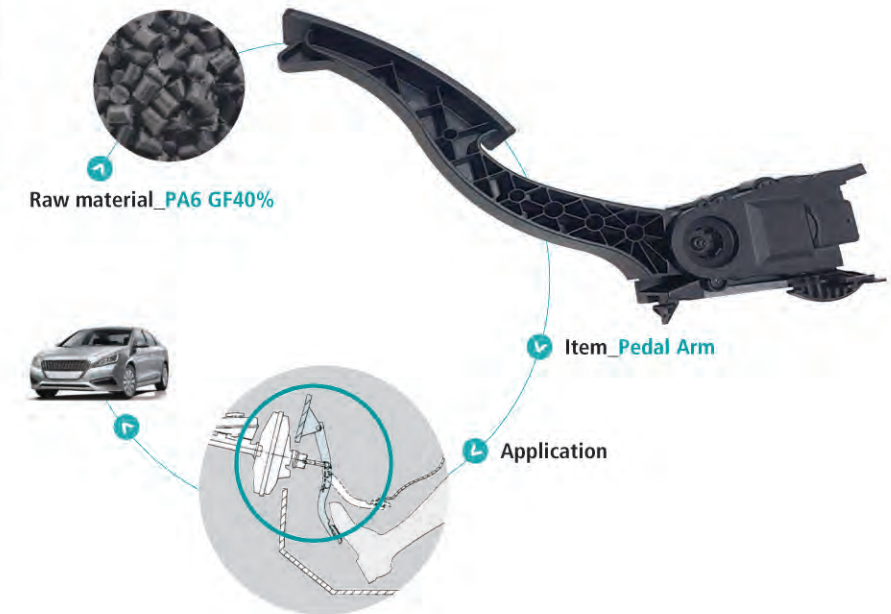
SL

Automotive Chassis Parts

PEDAL ARM

DESILON® 6

DSC102G8

Information on
Applied Products

Product Functions

Adjusts the acceleration and braking of vehicles.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC102G8 is reinforced with glass fiber 40% on polyamide6. It has excellent mechanical strength.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.46
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	11,000
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec. GM : GMW3029P-PA6-GF40H

Applied Models

GM Motors

Molders

KSR

Automotive Chassis Parts

HEADLAMP MOUNT BRACKET

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Head light bracket.**Required Feature of Product**

1. Stiffness 2. Dimensional stability 3. Vibration resistance

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : YB(Pride), JA(Morning), YP PE(Carnival), QL PE(Sportage)

Molders

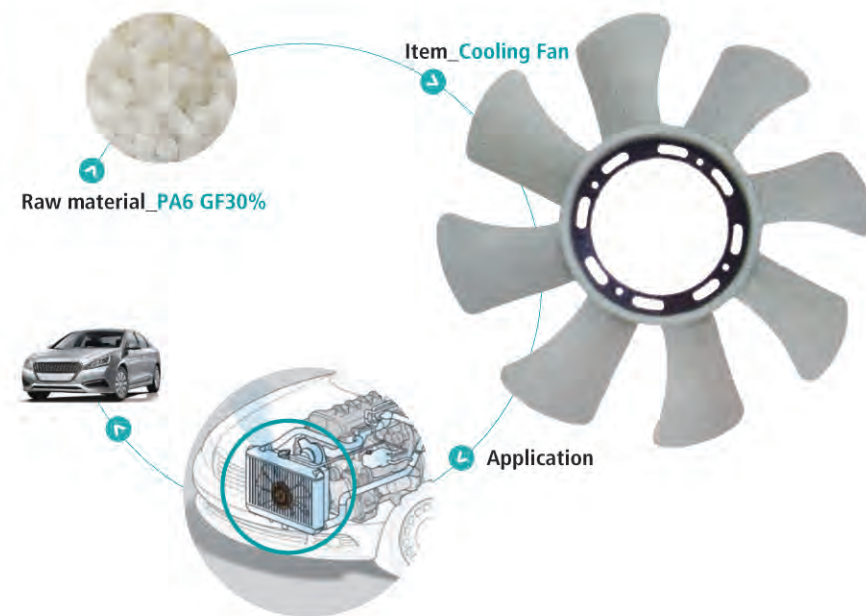
SL

Automotive Chassis Parts

COOLING FAN

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Cools down the heat of engine delivered to radiator.**Required Feature of Product**

1. Stiffness 2. Dimensional stability 3. Vibration resistance

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

Automotive Chassis Parts

ACTIVE AIR FLAP

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Active Air Flap that adjusts to control the air inflow and outflow.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : IK(G70), HI(Genesis), AE(Ioniq)

Molders

SHB, Hanon System

Automotive Chassis Parts

ROD

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions**

Changes gear when the button is pressed for changing gear position for gear shift.

Required Feature of Product 1. Stiffness 2. Dimensional stabilityMaterial and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : BD(K3), AD(Avante)

Molders

SL

Automotive Chassis Parts

KNOB

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Handle of transmission lever.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : BD(K3), AD(Avante)

Molders

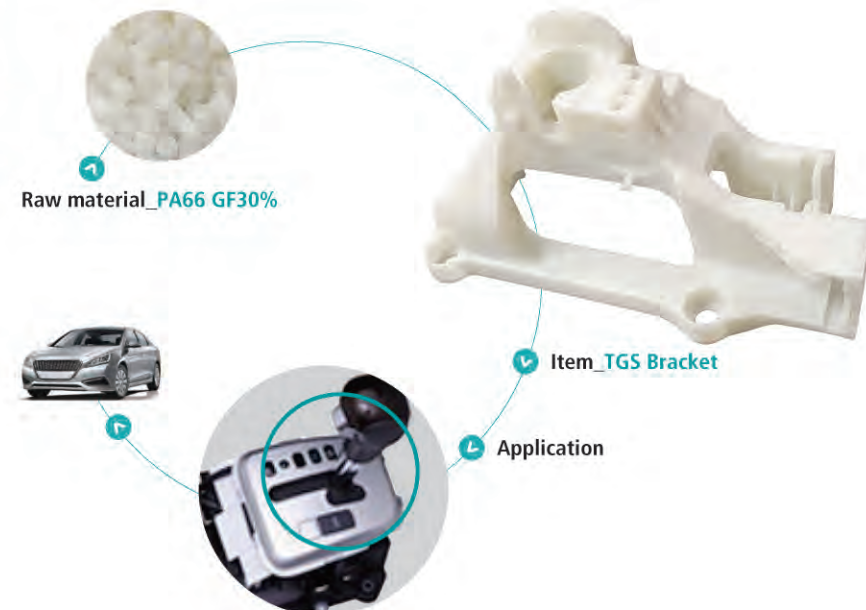
SL

Automotive Chassis Parts

TGS BRACKET

DESILON® 66

DSC201G6

Information on
Applied Products**Product Functions** TGS Bracket, supports and connects the chassis and relevant parts.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC201G6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2-1,
Hyundai & Kia Motors : MS941-03 TYPE A-6, GM : GMW3038P-PA66-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : XM(Santafe), BD(K3), AD(Avante)

Molders

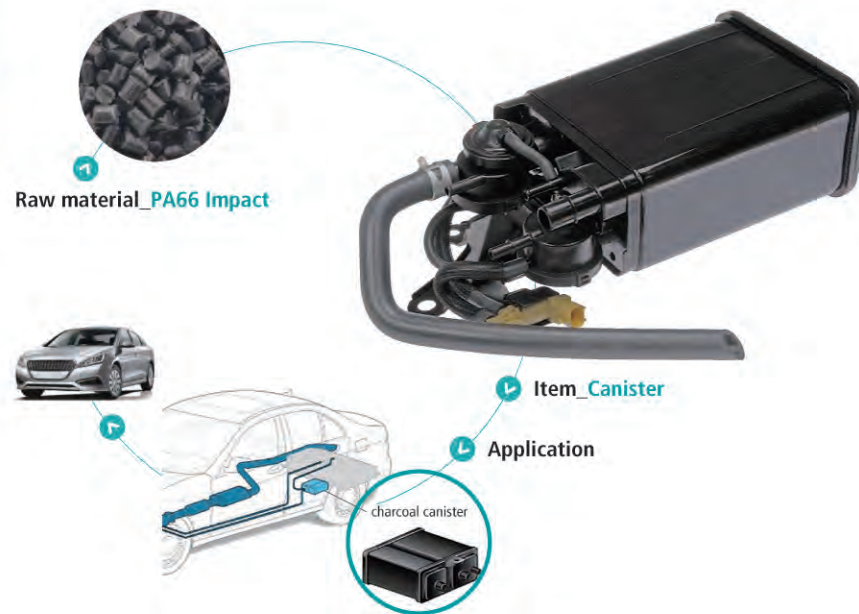
SL, Gyeongchang Industry

Automotive Chassis Parts

CANISTER

DESILON® 66

DSC210IR

Information on
Applied Products

Product Functions Absorbs and stores the evaporation gas generated from fuel tank and vaporizes when engine stops.

Required Feature of Product

1. Dimensional stability 2. Impact resistance 3. Chemical resistance

Material and
Mechanical
Property Data

DSC210IR is non-reinforced polyamide66 product.
It has excellent mechanical strength, impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.11
Tensile Strength	ISO 527	MPa	55
Elongation	ISO 527	%	43
Flexural Strength	ISO 178	MPa	78
Flexural Modulus	ISO 178	MPa	1,920
Charpy Impact Strength	ISO 1791	KJ/m ²	25

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors

Molders

Leehan

Automotive Chassis Parts

BAND CABLE

DESILON® 66

DSC221IR

Information on
Applied Products**Product Functions**

Organizes and holds the electric wire and parts of car.

Required Feature of Product

1. Dimensional stability 2. Impact resistance 3. Wear resistance

Material and
Mechanical
Property Data

DSC221IR is impact modified polyamide66 product.
It has excellent mechanical strength, impact resistance and flowability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.13
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	26.5
Flexural Strength	ISO 178	MPa	95
Flexural Modulus	ISO 178	MPa	2,350
Charpy Impact Strength	ISO 1791	KJ/m ²	10

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors

Molders

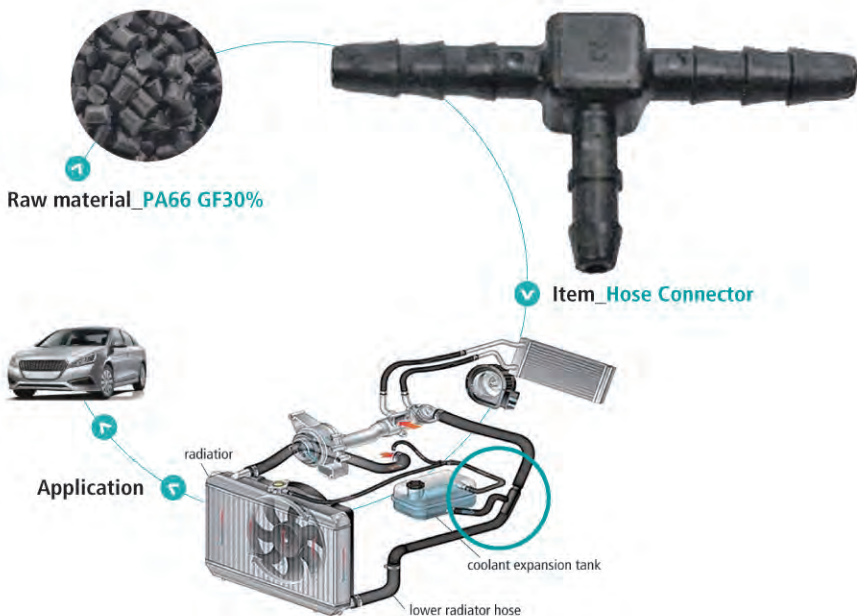
AIA

Automotive Chassis Parts

HOSE CONNECTOR

DESILON® 66

DSC201GH6

Information on
Applied Products

Product Functions

Connects vehicle hose.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC201GH6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF30H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

Automotive Chassis Parts

HEADLAMP BRACKET

DESILON® 66

DSC201G6

Information on
Applied Products

Product Functions

Head light bracket.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC201G6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2,
GM : GMW3038P-PA66-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : AD(Elantra)

Molders

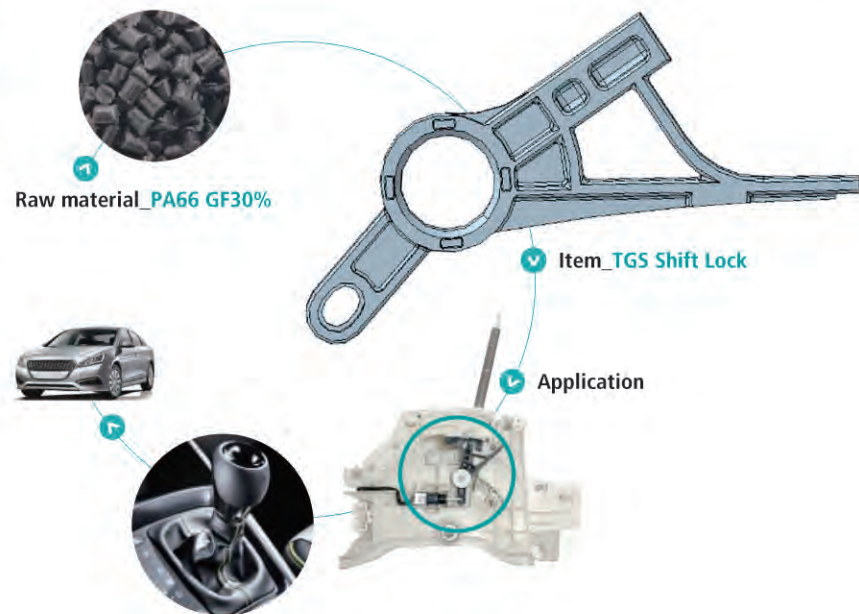
SL

Automotive Chassis Parts

TGS SHIFT LOCK

DESILON® 66

DSC201G6

Information on
Applied Products

Product Functions Safety device which physically blocks transmission lever from operating when brake pedal is not pressed down.

Required Feature of Product 1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC201G6 is reinforced with glass fiber 30% on polyamide66. It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2-1,
Hyundai & Kia Motors : MS941-03 TYPE A-6, GM : GMW3038P-PA66-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : BD(K3), AD(Avante)

Molders

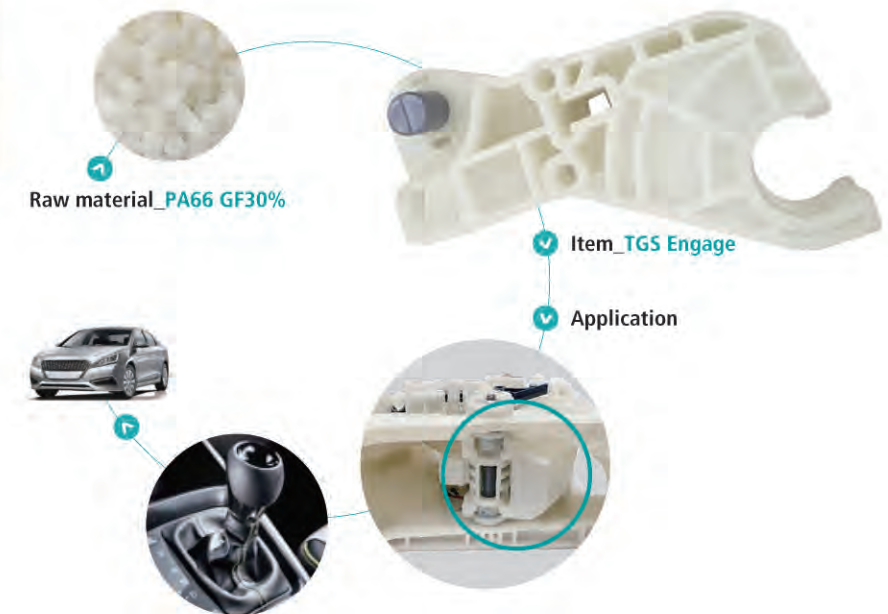
SL

Automotive Chassis Parts

TGS ENGAGE

DESILON® 66

DSC201G6

Information on
Applied Products

Product Functions Connects transmission lever and bearing.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC201G6 is reinforced with glass fiber 30% on polyamide66. It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2-1
Hyundai & Kia Motors : MS941-03 TYPE A-6, GM : GMW3038P-PA66-GF30H

Applied Models

Hyundai Motors & Kia Motors cars : BD(K3), AD(Avante)

Molders

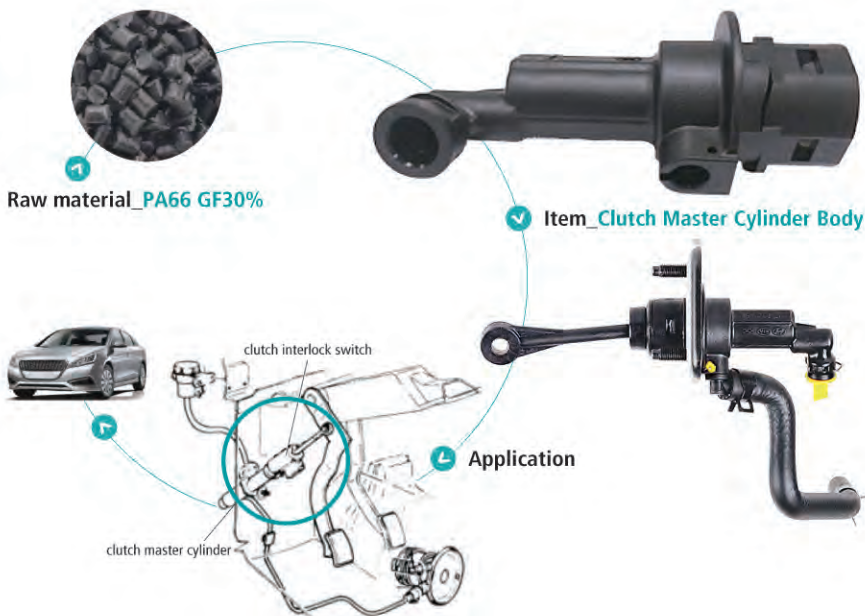
SL

Automotive Chassis Parts

CLUTCH MASTER CYLINDER BODY

DESILON® 66

DSC201G6

Information on
Applied Products

Product Functions Body of CMC part that controls the power of engine by controlling the release of fork, which allows the creation of hydraulic pressure of clutch pedal operation.

Required Feature of Product 1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC201G6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2-1,
Hyundai & Kia Motors : MS941-03 TYPE A-6, GM : GMW3038P-PA66-GF30H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

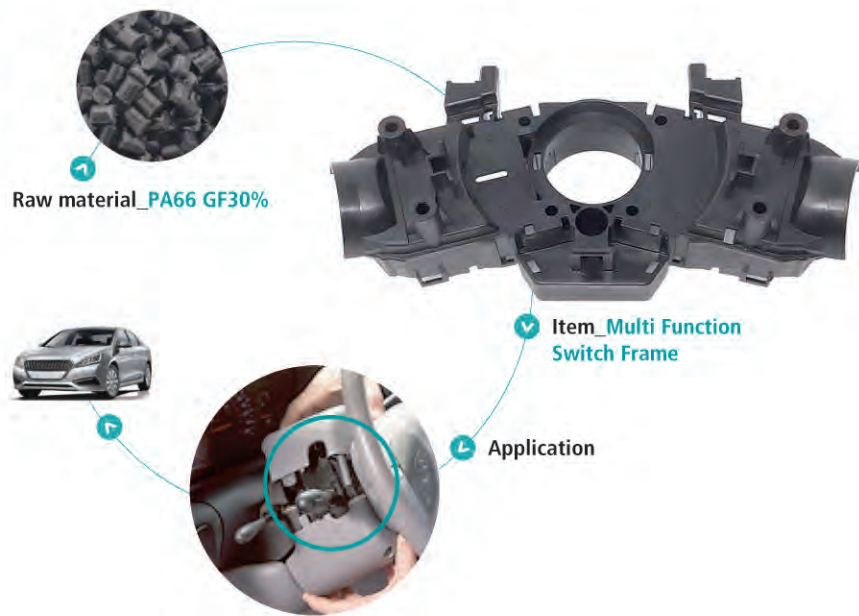
Daecheol

Automotive Chassis Parts

MULTI FUNCTION SWITCH FRAME

DESILON® 66

DSC201GH6

Information on
Applied Products

Product Functions Frame of device where various switches are assembled including indicator light, light, headlight and wiper controls.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Surface appearance

Material and
Mechanical
Property Data

DSC201GH6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF30H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

LS

Automotive Chassis Parts

BUMPER GUIDE HINGE

DESILON® 66

DSC201R

Information on
Applied Products

Product Functions

Hinge to connect various parts used for assembly.

Required Feature of Product

1. Stiffness 2. Impact resistance

Material and
Mechanical
Property Data

DSC201R is unreinforced grade based on polyamide66 for improved mold release. It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.13
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	4.0
Flexural Strength	ISO 178	MPa	105
Flexural Modulus	ISO 178	MPa	2,500
Charpy Impact Strength	ISO 1791	KJ/m ²	6

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-46 TYPE A

Applied Models

Hyundai Motors & Kia Motors cars : JK1(Genesis)

Molders

ITW Daelim

Automotive Chassis Parts

PEDAL

DESILON® 66

DSC201GH7

Information on
Applied Products

Product Functions

Adjusts the acceleration and braking of vehicles.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC201GH7 is reinforced with glass fiber 35% on polyamide66. It has excellent mechanical strength.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.41
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	10,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF35H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

SL

Automotive Chassis Parts

TGS LEVER

DESILON® 66

DSC201G9

1

Raw material_PA66 GF45%

2

Item_TGS Lever

3

Application

Information on Applied Products

Product Functions A lever that operates the transmission of a car.
Required Feature of Product
1. Stiffness 2. Dimensional stability

Material and Mechanical Property Data

DSC201G9 is base reinforced with glass fiber 45% on polyamide66. It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.52
Tensile Strength	ISO 527	MPa	240
Elongation	ISO 527	%	3.3
Flexural Strength	ISO 178	MPa	370
Flexural Modulus	ISO 178	MPa	14,500
Charpy Impact Strength	ISO 1791	KJ/m²	17

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-3-1,
GM : GMW3038P-PA66-GF45H

Applied Models

Hyundai Motors & Kia Motors cars : XM(Sorento), BD(K3), AD(Avante)

Molders

SL

Automotive Chassis Parts

DOOR WINDOW GEAR DRUM

DESILON® 66

DSC211GH7

1

Raw material_PA66 GF35%

2

Item_Door Window Gear Drum

3

Application

Information on Applied Products

Product Functions Wind the cable and load the cable to operate the car window.
Required Feature of Product
1. Stiffness 2. Heat stability 3. Oil resistance

Material and Mechanical Property Data

DSC211GH7 is reinforced with glass fiber 35% on polyamide66. It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.41
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	10,000
Charpy Impact Strength	ISO 1791	KJ/m²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-61 TYPE A,
GM : GMW3038P-PA66-GF35H

Applied Models

Applied to VW cars : VW326(Tiguan)

Molders

Kwang Duck ANT

Automotive Chassis Parts

HID HEADLAMP SHAFT PIVOT

DESILON® 66

DSC201G3

Information on
Applied Products

Product Functions

Operates the car HID Headlamp up and down, right and left.

Required Feature of Product

1. Dimensional stability 2. Surface appearance

Material and
Mechanical
Property DataDSC201G3 is reinforced with glass fiber 15% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.24
Tensile Strength	ISO 527	MPa	130
Elongation	ISO 527	%	3.0
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	5,800
Charpy Impact Strength	ISO 1791	KJ/m ²	6

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS941-03 TYPE A-3

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

Woori Industry

Automotive Chassis Parts

SHOCK ABSORBER CAP

DESILON® 66

DSC211GH7

Information on
Applied Products

Product Functions

Shock absorber cap that absorbs impact of up and down movement and weight during driving.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC211GH7 is reinforced with glass fiber 35% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.41
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	10,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-61 TYPE A, GM : GMW3038P-PA66-GF35H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

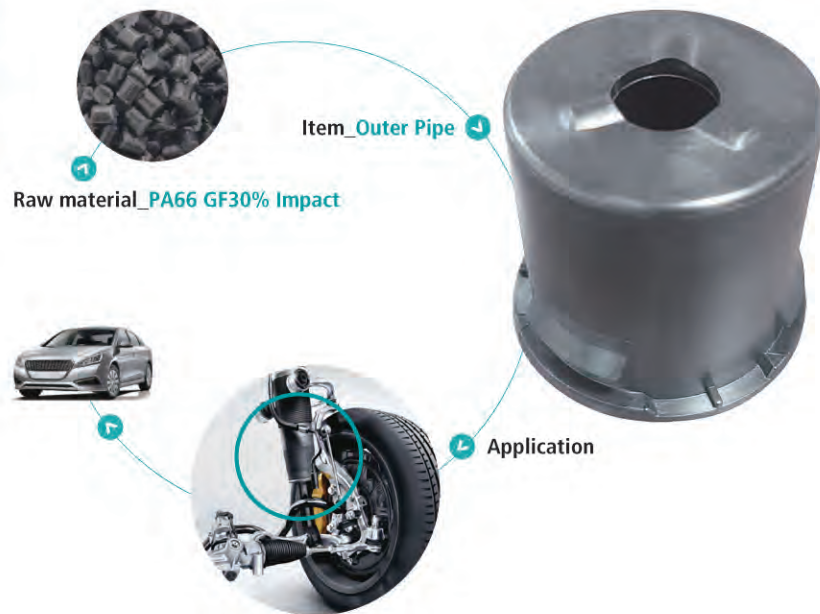
Hyundai Polytech

Automotive Chassis Parts

OUTER PIPE

DESILON® 66

DSC201IG6

Information on
Applied Products

Product Functions

Absorbs the impact of roads during driving.

Required Feature of Product

1. Stiffness 2. Impact resistance

Material and
Mechanical
Property Data

DSC201IG6 is impact modified and reinforced with glass fiber 30% on polyamide66%. It has excellent mechanical strength and impact resistance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.35
Tensile Strength	ISO 527	MPa	175
Elongation	ISO 527	%	2.8
Flexural Strength	ISO 178	MPa	265
Flexural Modulus	ISO 178	MPa	8,890
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors

Molders

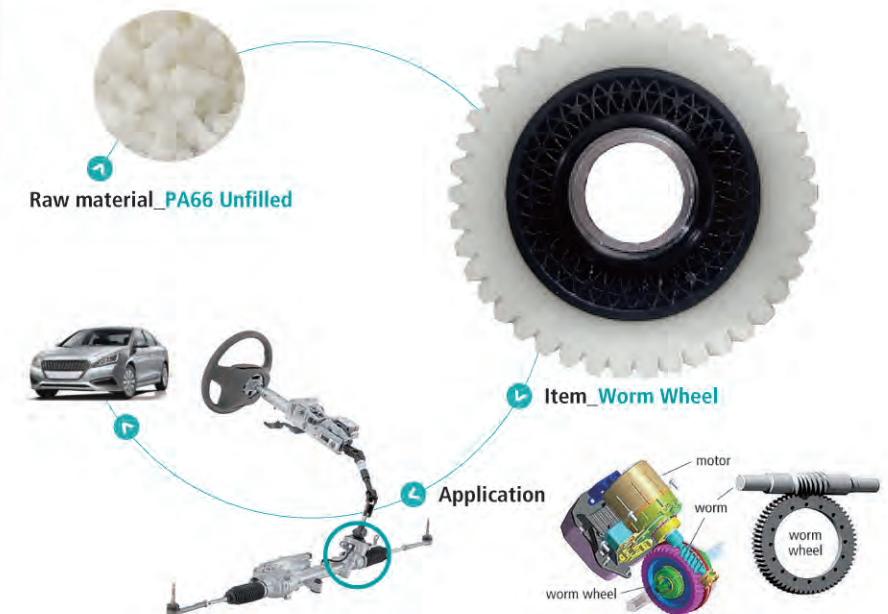
Daeheung R&T, Pyeonghwa Industry

Automotive Chassis Parts

WORM WHEEL

DESILON® 66

DSC201R

Information on
Applied Products

Product Functions As a part that forms EPS(MDPS) system, it rotates the steering column axis by rotation torque delivered through worm shaft and motor.

Required Feature of Product

1. Impact resistance 2. Surface feature

Material and
Mechanical
Property Data

DSC201R is unreinforced grade based on polyamide66 for improved mold release. It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.13
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	23.0
Flexural Strength	ISO 178	MPa	100
Flexural Modulus	ISO 178	MPa	2,600
Charpy Impact Strength	ISO 1791	KJ/m ²	6

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-46 TYPE A

Applied Models

Molders

Automotive Chassis Parts

AIR SUSPENSION PART

DESILON® 66

DSC2016GH6

Information on
Applied Products

Product Functions

A part of the air suspension that adjusts the vehicle height in different states of driving.

Required Feature of Product

1. Dimensional stability 2. Heat stability 3. Chemical resistance

Material and
Mechanical
Property Data

DSC2016GH6 is reinforced with glass fiber 33% on polyamide66. It has excellent mechanical strength and long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.36
Tensile Strength	ISO 527	MPa	195
Elongation	ISO 527	%	3.3
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-38 TYPE A

Applied Models

RS4(Audi)

Molders

Donghee Industry

Automotive Chassis Parts

FUEL FILLER CAP

DESILON® 66

DSC2016GH6

Information on
Applied Products

Product Functions

Covers fuel tank.

Required Feature of Product

1. Dimensional stability 2. Heat stability 3. Chemical resistance

Material and
Mechanical
Property Data

DSC2016GH6 is reinforced with glass fiber 33% on polyamide66. It has excellent mechanical strength and long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.36
Tensile Strength	ISO 527	MPa	195
Elongation	ISO 527	%	3.3
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-38 TYPE A

Applied Models

Common specification of Hyundai Motors & Kia Motors

Molders

Nifco

Automotive Chassis Parts

SIDE MIRROR ROD

DESILON® 66

DSC201G12

Information on
Applied Products

Product Functions

Connects chassis frame and body of side mirror.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Weather resistance

Material and
Mechanical
Property Data

DSC201G12 is reinforced with glass fiber 63% on polyamide66.
It has excellent mechanical strength, flowability and surface appearance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.51
Tensile Strength	ISO 527	MPa	215
Elongation	ISO 527	%	2.4
Flexural Strength	ISO 178	MPa	350
Flexural Modulus	ISO 178	MPa	14,500
Charpy Impact Strength	ISO 1791	KJ/m ²	17

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-64 TYPE B

Applied Models

Hyundai Motors & Kia Motors cars : Hci(i20)

Molders

SL

Automotive Chassis Parts

SIDE MIRROR FRAME

DESILON® 66

DSC201G12

Information on
Applied Products

Product Functions

Side mirror frame.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Weather resistance

Material and
Mechanical
Property Data

DSC201G12 is reinforced with glass fiber 63% on polyamide66.
It has excellent mechanical strength, flowability and surface appearance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.51
Tensile Strength	ISO 527	MPa	215
Elongation	ISO 527	%	2.4
Flexural Strength	ISO 178	MPa	350
Flexural Modulus	ISO 178	MPa	14,500
Charpy Impact Strength	ISO 1791	KJ/m ²	17

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-64 TYPE B

Applied Models

Hyundai Motors & Kia Motors : TM(Santafe), ON(Mohave North America spec.)

Molders

SL

Automotive Chassis Parts

HEADLAMP COOLING FAN

DESOX®

DSC401G6

Information on
Applied Products

Product Functions

Cools down heat generated from headlamp.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Surface feature

Material and
Mechanical
Property Data

DSC401G6 is PBT reinforced with glass fiber 30%.
It has excellent stiffness, heat stability and electrical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.50
Tensile Strength	ISO 527	MPa	139
Elongation	ISO 527	%	3.1
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	9,200
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

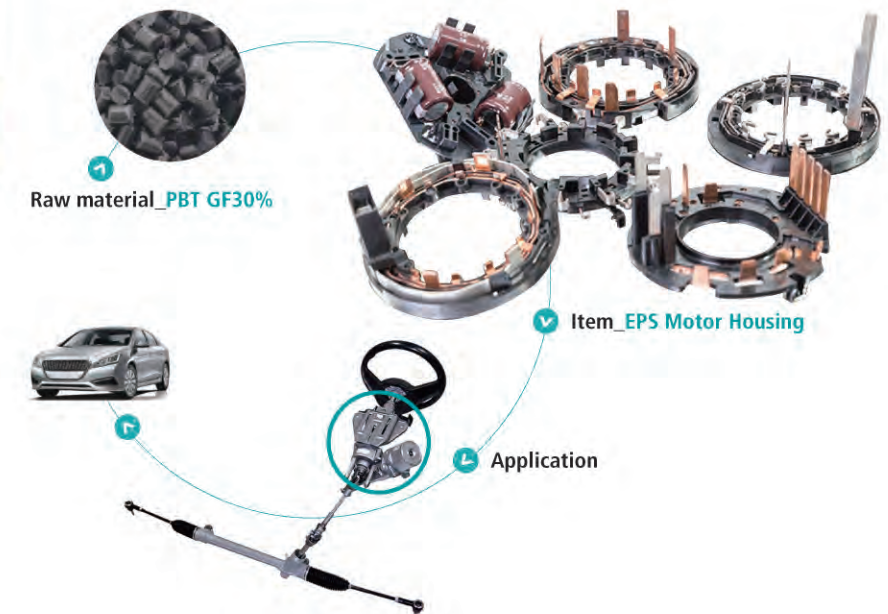
Molders

Automotive Chassis Parts

EPS MOTOR HOUSING

DESOX®

DSC401IG6 BK

Information on
Applied Products

Product Functions

Cools down heat generated from headlamp.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Surface feature

Material and
Mechanical
Property Data

DSC401IG6 BK is PBT reinforced with glass fiber 30%.
It has excellent stiffness, heat stability and electrical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.47
Tensile Strength	ISO 527	MPa	115
Elongation	ISO 527	%	3.4
Flexural Strength	ISO 178	MPa	190
Flexural Modulus	ISO 178	MPa	8,600
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

Automotive Chassis Parts

DOOR LATCH HOUSING

DESOX®

DSC480G6 BK

Information on
Applied Products

Product Functions

The body of door latch controlling the lock state.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC480G6 BK is PBT and ABS alloy, reinforced with glass fiber 30%.
It has excellent stiffness and dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.44
Tensile Strength	ISO 527	MPa	113
Elongation	ISO 527	%	2.1
Flexural Strength	ISO 178	MPa	177
Flexural Modulus	ISO 178	MPa	9,150
Charpy Impact Strength	ISO 1791	KJ/m ²	8.5

Approved OEM

Approved Spec.

Applied Models

Hyundai Motors & Kia Motors cars : JX1(Genesis), DN8/YF(Sonata)

Molders

Pyeonghwa Precision, Daedong Door

Automotive Chassis Parts

POWER WINDOW MOTOR HOUSING

DESOX®

DSC401G6

Information on
Applied Products

Product Functions A part of car door module that controls opening and closing the window, by electronic signal.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Electric insulation

Material and
Mechanical
Property Data

DSC401G6 is PBT reinforced with glass fiber 30%.
It has excellent stiffness, heat stability and electrical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.50
Tensile Strength	ISO 527	MPa	139
Elongation	ISO 527	%	3.1
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	9,200
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors

Molders

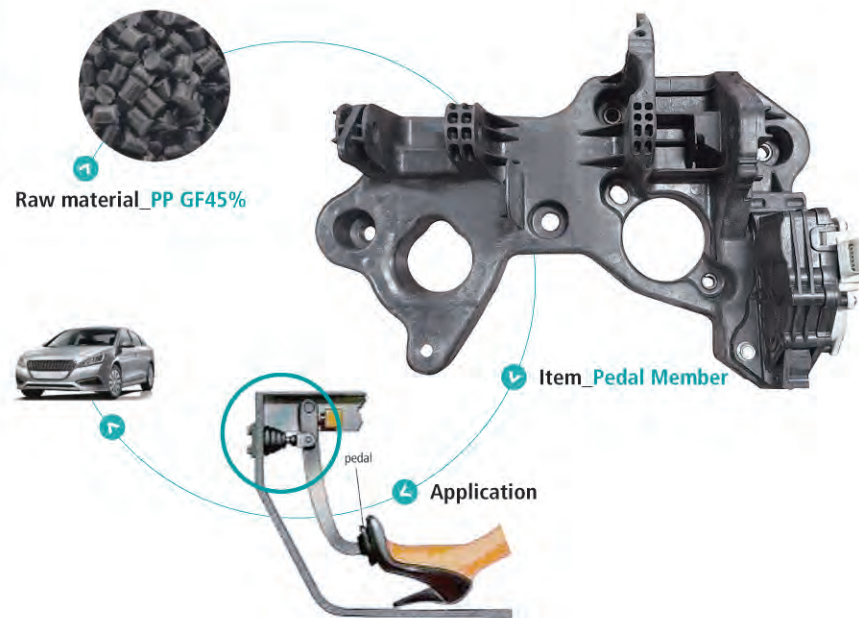
Dongyang Corporation

Automotive Chassis Parts

PEDAL MEMBER

DESLEN®

DSC520G9

Information on
Applied Products

Product Functions

Holds chassis and pedal of vehicles.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC520G9 is PP reinforced with glass fiber 45%.
It has excellent mechanical strength and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.26
Tensile Strength	ISO 527	MPa	120
Elongation	ISO 527	%	2.6
Flexural Strength	ISO 178	MPa	195
Flexural Modulus	ISO 178	MPa	10,500
Charpy Impact Strength	ISO 1791	KJ/m ²	15

Approved OEM

Approved Spec. GM : GMW15702-400081-PP-GF45

Applied Models

GM Motors : M300, M400(Spark)

Molders

CJ Automotive

Automotive Chassis Parts

ABS BRAKE ECU HOUSING COVER

DESOX®

DSC401GM9

Information on
Applied Products

Product Functions ABS Brake ECU Housing cover, a sensor to prevent accidents by locking wheels in certain circumstances.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC401GM9 is PBT reinforced with glass fiber and mineral 45%.
It has excellent electrical properties and stiffness.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.67
Tensile Strength	ISO 527	MPa	121
Elongation	ISO 527	%	1.6
Flexural Strength	ISO 178	MPa	180
Flexural Modulus	ISO 178	MPa	11,500
Charpy Impact Strength	ISO 1791	KJ/m ²	6

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

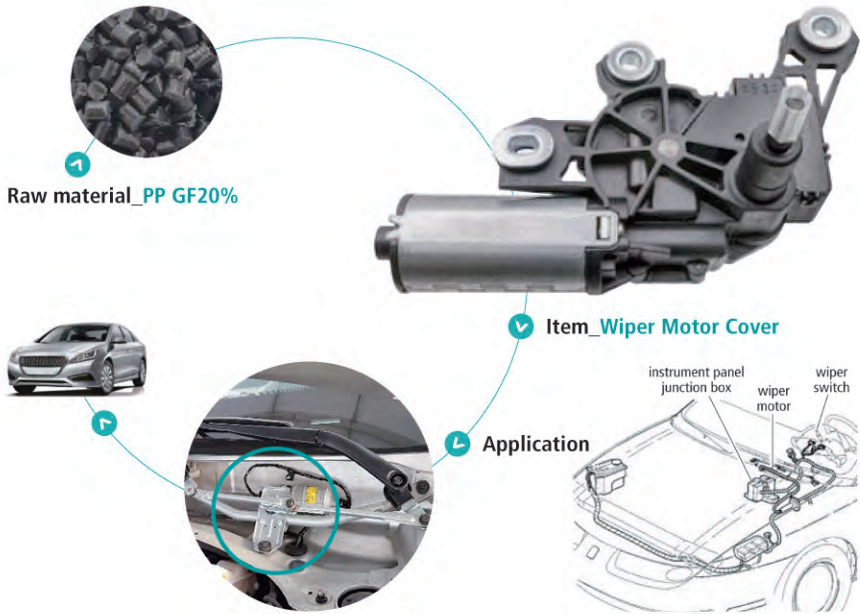
Hyundai Polytech

Automotive Chassis Parts

WIPER MOTOR COVER

DESLEN®

DSC501G4



Information on
Applied Products

Product Functions
Protects the wiper motor of vehicles.
Required Feature of Product
1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC501G4 is PP reinforced with glass fiber 20%.
It has excellent stiffness and impact resistance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.02
Tensile Strength	ISO 527	MPa	67
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	120
Flexural Modulus	ISO 178	MPa	4,200
Charpy Impact Strength	ISO 1791	KJ/m²	13

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

Tyco AMP

AUTOMOTIVE
ELECTRICAL PARTS

- Automotive Connector
- Battery Connector
- Speed Sensor
- Electric Oil Pump Insulator
- Junction Box
- Bulb Holder
- Connector Cover
- Battery Pack Case Part



Automotive Electrical Parts

AUTOMOTIVE CONNECTOR

DESLO[®] 6

DSC101GFB6

Information on
Applied Products

Product Functions

An interface circuit and deliver electric current to various parts.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC101GFB6 is reinforced with glass fiber and glass bead 30% on polyamid6. It has excellent dimensional stability and surface appearance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.36
Tensile Strength	ISO 527	MPa	100
Elongation	ISO 527	%	2.4
Flexural Strength	ISO 178	MPa	160
Flexural Modulus	ISO 178	MPa	5,700
Charpy Impact Strength	ISO 1791	KJ/m ²	4

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

LS Automotive

Automotive Electrical Parts

BATTERY CONNECTOR

DESLO[®] 66

DSC201GW BK

Information on
Applied Products

Product Functions

Connects electric devices or wires.

Required Feature of Product

1. Dimensional stability 2. Impact resistance 3. Flame retardant

Material and
Mechanical
Property Data

DSC201GW BK is reinforced with 30% glass fiber on polyamide66. It has excellent mechanical strength and flame retardancy.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.60
Tensile Strength	ISO 527	MPa	165
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	240
Flexural Modulus	ISO 178	MPa	9,500
Charpy Impact Strength	ISO 1791	KJ/m ²	8

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors(Electric cars)

Molders

Samsung SDI

Automotive Electrical Parts

SPEED SENSOR

DESILON® 66

DSC211GH7

Information on
Applied Products

Product Functions A sensor device that detects the vehicle speed and delivers to engine control system or mission control system.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat resistance

Material and
Mechanical
Property Data

DSC211GH7 is reinforced with glass fiber 35% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.41
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	10,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-61 TYPE A, GM : GMW3038P-PA66-GF35H

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

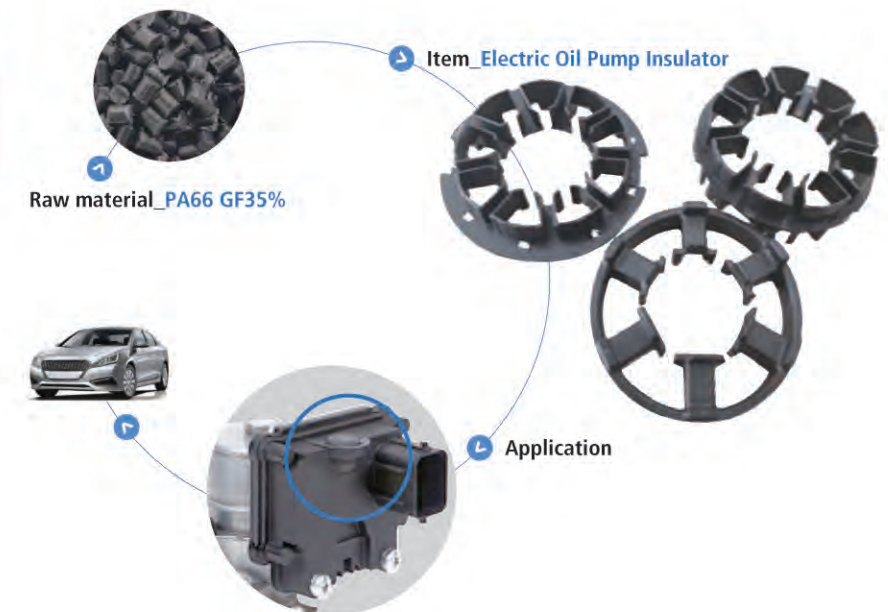
Iljin Global

Automotive Electrical Parts

ELECTRIC OIL PUMP INSULATOR

DESILON® 66

DSC201GH7

Information on
Applied Products

Product Functions Parts inside electronic oil pump supplies oil to transmission, reduces transmission impact and improves fuel efficiency.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat resistance 4. Chemical resistance

Material and
Mechanical
Property Data

DSC201GH7 is reinforced with glass fiber 35% on polyamide66.
It has excellent mechanical strength.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.41
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	10,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF35H

Applied Models

Hyundai Motors & Kia Motors cars : IG(Grandeur), JF(K5)

Molders

Myunghwa Industry

Automotive Electrical Parts

JUNCTION BOX



Information on
Applied Products

Product Functions
Distributes power and protects electronic system and circuit of vehicles.

Required Feature of Product
1. Dimensional stability 2. Surface appearance

Material and
Mechanical
Property Data

DSC221M6 is reinforced with mineral 30% on polyamide66.
It has excellent strength and dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.38
Tensile Strength	ISO 527	MPa	68
Elongation	ISO 527	%	2.8
Flexural Strength	ISO 178	MPa	118
Flexural Modulus	ISO 178	MPa	6,000
Charpy Impact Strength	ISO 1791	KJ/m ²	4

Approved OEM **Approved Spec.** Hyundai & Kia Motors : MS941-07 TYPE E

Applied Models Common specification of Hyundai Motors & Kia Motors cars

Molders Korea Electric Terminal, Tyco A&P

Automotive Electrical Parts

BULB HOLDER



Information on
Applied Products

Product Functions
Connects bulbs or plugs to circuit.

Required Feature of Product
1. Dimensional stability 2. Surface appearance

Material and
Mechanical
Property Data

DSC201M6 is reinforced with mineral 30% on polyamide66.
It has excellent flowability, moldability and dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.38
Tensile Strength	ISO 527	MPa	68
Elongation	ISO 527	%	2.8
Flexural Strength	ISO 178	MPa	118
Flexural Modulus	ISO 178	MPa	6,000
Charpy Impact Strength	ISO 1791	KJ/m ²	4

Approved OEM **Approved Spec.** MS941-03 TYPE A-10

Applied Models Common specification of Hyundai Motors & Kia Motors cars

Molders Korea Electric Terminal

Automotive Electrical Parts

CONNECTOR COVER

DESLEN®

DSC501

Information on
Applied Products

Product Functions

A cover that protects connector.

Required Feature of Product

1. Dimensional stability 2. Impact resistance

Material and
Mechanical
Property Data

DSC501 is PP material and has excellent stiffness and impact absorption.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	0.9
Tensile Strength	ISO 527	MPa	27
Elongation	ISO 527	%	100
Flexural Strength	ISO 178	MPa	3
Flexural Modulus	ISO 178	MPa	1,160
Charpy Impact Strength	ISO 1791	KJ/m ²	5

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

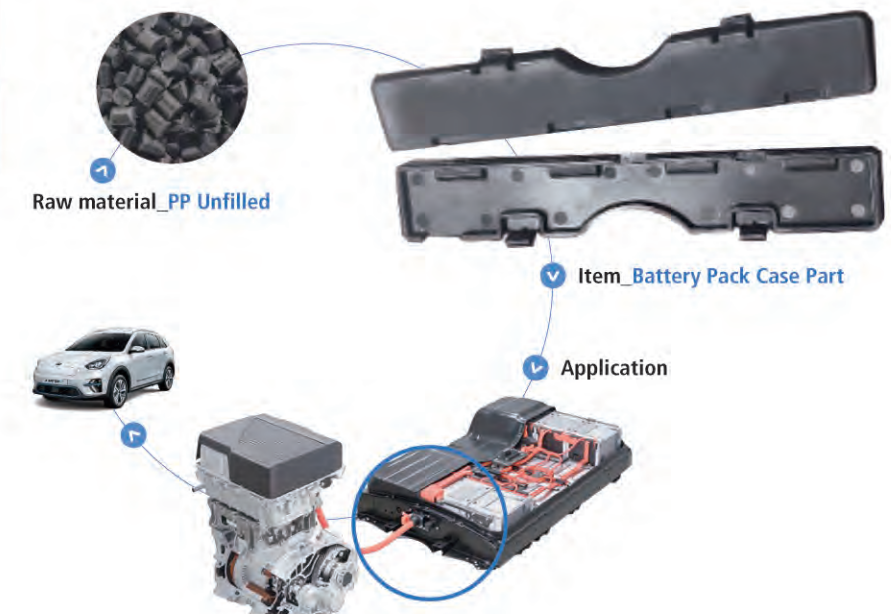
TE, Yura Harness

Automotive Electrical Parts

BATTERY PACK CASE PART

DESLEN®

DSC501

Information on
Applied Products

Product Functions

Battery pack case often used in electric cars.

Required Feature of Product

1. Dimensional stability 2. Impact resistance

Material and
Mechanical
Property Data

DSC501 is PP material and has excellent impact resistance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	0.9
Tensile Strength	ISO 527	MPa	27
Elongation	ISO 527	%	100
Flexural Strength	ISO 178	MPa	3
Flexural Modulus	ISO 178	MPa	1,160
Charpy Impact Strength	ISO 1791	KJ/m ²	5

Approved OEM

Approved Spec.

Applied Models

Common specification of Hyundai Motors & Kia Motors cars

Molders

LG Chemistry



Pioneer for a new market of advanced plastic materials.
It is Desco. Desco will continue to improve technology and solution
to create a bright future for all humans.



INDUSTRY PRODUCT PARTS

- | | |
|--------------------------------|----------------------------|
| Bolt Head | Boiler Distributor |
| Flexible Tube | Chassis Roller |
| Rotary Shovel | Pipe Cap |
| Air Gun Body | Bite Tray |
| Food Waste Disposals Case | Contact Lens Mould |
| Livestock GPS Housing | Industrial Bobbin |
| Hand Drill Housing | Hair Straightener Frame |
| Shoes Free Lock | Washing Machine Door Hinge |
| Chair Legs | Shoes Free Lock Body |
| Chair Frame | |
| Vacuum Cleaner Motor Fan Blade | |
| Plastic Cable Carrier | |
| Sink Door Side Damper | |



Industry Product Parts

BOLT HEAD

DESILON® 6

DSC101R

Information on
Applied Products

Product Functions

Head bolt used when assembling various parts.

Required Feature of Product

1. Impact resistance 2. Light resistance

Material and
Mechanical
Property Data

DSC101R is unreinforced grade based on polyamide6 for improved mold release.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.13
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	60.0
Flexural Strength	ISO 178	MPa	95
Flexural Modulus	ISO 178	MPa	2,600
Charpy Impact Strength	ISO 1791	KJ/m ²	5

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-44 TYPE A

Applied Models

Roof bolt, etc.

Molders

Cheonil Industry

Industry Product Parts

FLEXIBLE TUBE

DESILON® 6

DSC120HS

Information on
Applied Products

Product Functions

Secures the path of fluid in the equipment or protects electric wire.

Required Feature of Product

1. Impact resistance 2. Light resistance

Material and
Mechanical
Property Data

DSC120HS is impact modified grade on polyamide6.
It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.06
Tensile Strength	ISO 527	MPa	47
Elongation	ISO 527	%	100
Flexural Strength	ISO 178	MPa	67
Flexural Modulus	ISO 178	MPa	1,680
Charpy Impact Strength	ISO 1791	KJ/m ²	35

Approved OEM

Approved Spec.

Applied Models

Car industry, machine tools, industrial machine, automation machine, shipbuilding, etc.

Molders

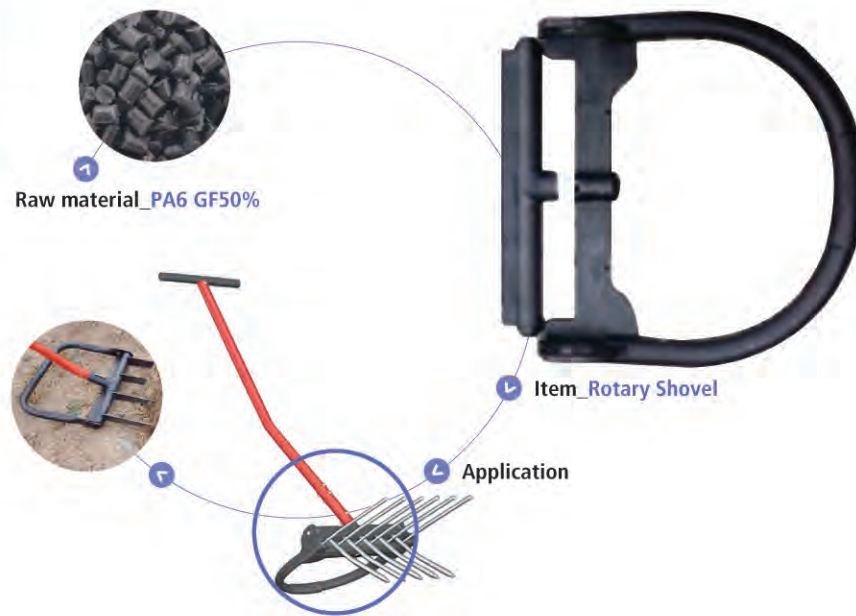
Koduct

Industry Product Parts

ROTARY SHOVEL

DESILON® 6

DSC102G10

Information on
Applied Products

Product Functions

Allows shovels to evenly operate the farm.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC102G10 is reinforced with glass fiber 50% on polyamide6. It has excellent mechanical properties and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.57
Tensile Strength	ISO 527	MPa	220
Elongation	ISO 527	%	2.5
Flexural Strength	ISO 178	MPa	340
Flexural Modulus	ISO 178	MPa	15,000
Charpy Impact Strength	ISO 1791	KJ/m ²	16

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-64 TYPE A, GM : GMW3029P-PA6-GF50H

Applied Models

Speed shop 2

Molders

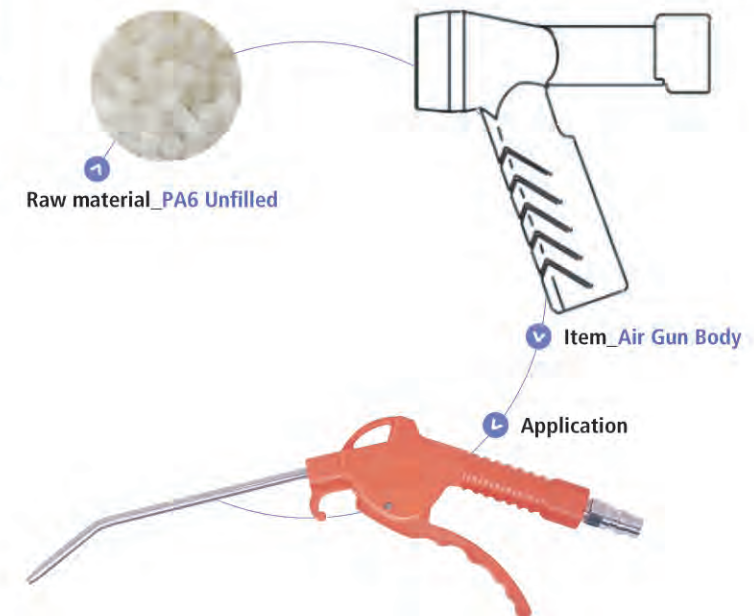
Youngin Industry

Industry Product Parts

AIR GUN BODY

DESILON® 6

DSC101R

Information on
Applied Products

Product Functions

The exterior case of air gun that sprays compressed air.

Required Feature of Product

1. Impact resistance 2. Surface feature

Material and
Mechanical
Property Data

DSC101R is unreinforced grade based on polyamide6 for improved mold release. It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.13
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	60
Flexural Strength	ISO 178	MPa	95
Flexural Modulus	ISO 178	MPa	2,600
Charpy Impact Strength	ISO 1791	KJ/m ²	5

Approved OEM

approved Spec. Hyundai & Kia Motors : MS211-44 TYPE A

Applied Models

Air gun

Molders

Golden Tech

Industry Product Parts

FOOD WASTE DISPOSALS CASE

DESILON® 6

DSC101G3

Information on
Applied Products

Product Functions

A case of food waste disposal that disposes food waste.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC101G3 is reinforced with glass fiber 15% on polyamide6.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.23
Tensile Strength	ISO 527	MPa	120
Elongation	ISO 527	%	3.7
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	5,900
Charpy Impact Strength	ISO 1791	KJ/m ²	5.5

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-1, GM : GMW3029P-PA6-GF15H

Applied Models

Separate attachment of household sink

Molders

Super-line

Industry Product Parts

LIVESTOCK GPS HOUSING

DESILON® 6

DSC101G3

Information on
Applied Products

Product Functions

A case of GPS that tracks the location of livestock.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC101G3 is reinforced with glass fiber 15% on polyamide6.
It has excellent mechanical properties, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.23
Tensile Strength	ISO 527	MPa	120
Elongation	ISO 527	%	3.7
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	5,900
Charpy Impact Strength	ISO 1791	KJ/m ²	5.5

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-1, GM : GMW3029P-PA6-GF15H

Applied Models

Common specification of RAON Tech GPS

Molders

RAON Tech

Industry Product Parts

HAND DRILL HOUSING

DESILON® 6

DSC102G6

Information on
Applied Products

Product Functions Protects electric drill.
Required Feature of Product
1. Stiffness 2. Dimensional stability 3. Surface appearance

Material and
Mechanical
Property Data

DSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Electric Drill

Molders

Keyang Electrics

Industry Product Parts

SHOES FREE LOCK

DESILON® 6

DSC102G6

Information on
Applied Products

Product Functions Locks the lace to keep the shoe tightened with a wire.
Required Feature of Product
1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Running shoes such as trekking shoes, tennis shoes and safety shoes

Molders

SPINON

Industry Product Parts

CHAIR LEGS

DESILON® 6

DSC102G6

Information on
Applied Products

Product Functions Chair legs.
Required Feature of Product
1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Common specification of Buho Chair One chairs

Molders

Buho Chair One

Industry Product Parts

CHAIR FRAME

DESILON® 6

DSC102G6

Information on
Applied Products

Product Functions Frame of chairs.
Required Feature of Product
1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Common specification of Buho Chair One chairs

Molders

Buho Chair One

Industry Product Parts

VACUUM CLEANER MOTOR FAN BLADE

DESILON® 6

DSC102G6

Information on
Applied Products**Product Functions** Discharges inside air from fast revolution of vacuum cleaner.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property DataDSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Common specification of vacuum cleaner

Molders

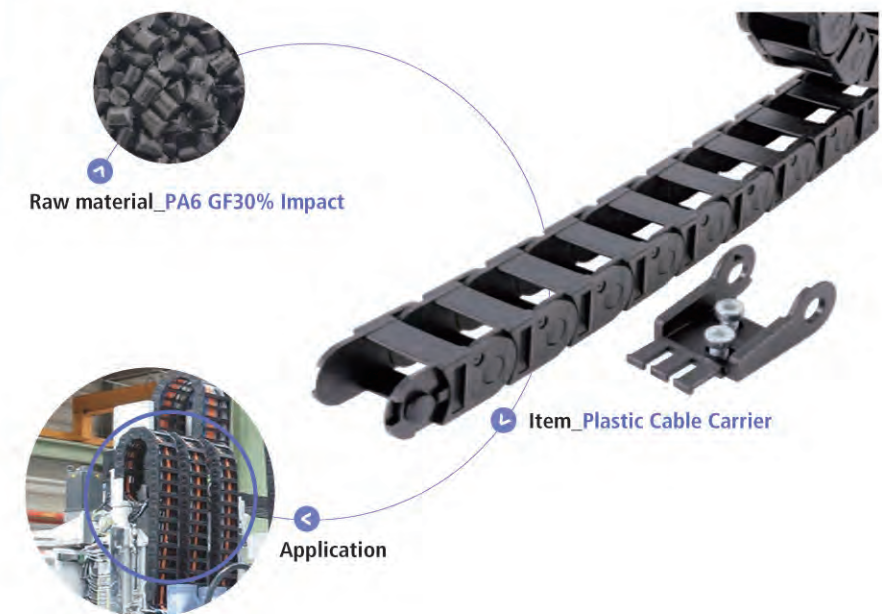
Samsung Electronics

Industry Product Parts

PLASTIC CABLE CARRIER

DESILON® 6

DSC122SG6

Information on
Applied Products**Product Functions**

Protects cable in mechanical device.

Required Feature of Product

1. Stiffness 2. Impact resistance 3. Surface appearance

Material and
Mechanical
Property DataDSC122SG6 is impact modified and reinforced with glass fiber 30% on polyamide6.
It has excellent mechanical properties, stiffness and impact resistance

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.30
Tensile Strength	ISO 527	MPa	131
Elongation	ISO 527	%	4.6
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	6,950
Charpy Impact Strength	ISO 1791	KJ/m ²	23

Approved OEM

Approved Spec.

Applied Models

KODUCT KSC 588

Molders

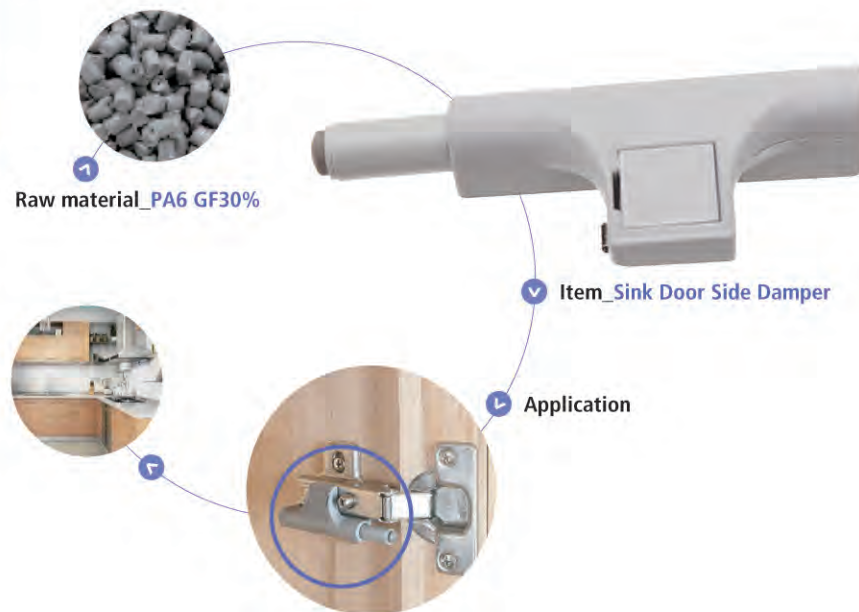
KODUCT

Industry Product Parts

SINK DOOR SIDE DAMPER

DESLON® 6

DSC102G6

Information on
Applied Products**Product Functions** Absorbs impact when closing the door.**Required Feature of Product**

1. Stiffness 2. Dimensional stability

DSC102G6 is reinforced with glass fiber 30% on polyamide6.
It has excellent stiffness and moldability.Material and
Mechanical
Property Data

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	180
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	290
Flexural Modulus	ISO 178	MPa	9,400
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-45 TYPE A-2,
Hyundai & Kia Motors : MS941-03 TYPE D-3, GM : GMW3029P-PA6-GF30H

Applied Models

Common specification of sink

Molders

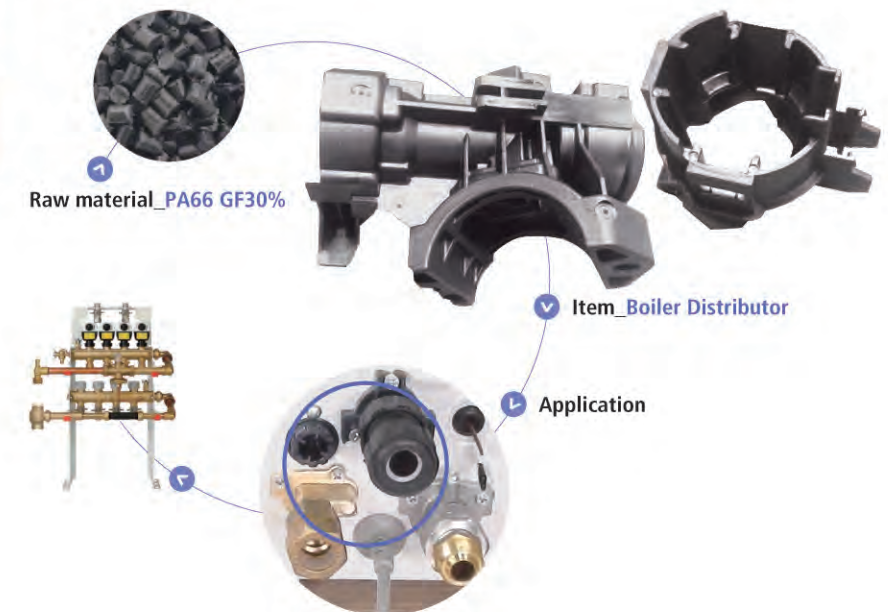
Duwon E&G

Industry Product Parts

BOILER DISTRIBUTOR

DESLON® 66

DSC201GH6

Information on
Applied Products**Product Functions**

Distributor for supply of water to boiler.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat stability

DSC201GH6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.Material and
Mechanical
Property Data

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF30H

Applied Models

Rinnai Boiler

Molders

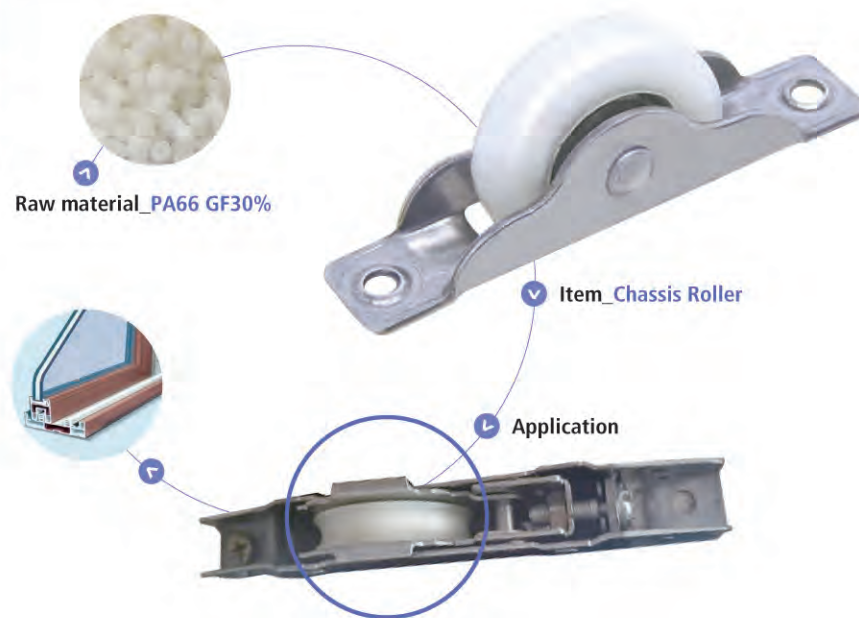
Rinnai

Industry Product Parts

CHASSIS ROLLER

DESILON® 66

DSC201GH6

Information on
Applied Products

Product Functions Makes it easy to move the door or window when opening or closing windows or general doors.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC201GH6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, in particular, long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,000
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. GM : GMW3038P-PA66-GF30H

Applied Models

Common application to Hanwha Chassis

Molders

Hanwha Chassis

Industry Product Parts

PIPE CAP

DESILON® 66

DSC201G6

Information on
Applied Products

Product Functions Connects between pipes where fluids flow through.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Low moisture absorption

Material and
Mechanical
Property Data

DSC201G6 is reinforced with glass fiber 30% on polyamide66.
It has excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.37
Tensile Strength	ISO 527	MPa	185
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	295
Flexural Modulus	ISO 178	MPa	9,100
Charpy Impact Strength	ISO 1791	KJ/m ²	13

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS211-47 TYPE A-2-1,
Hyundai & Kia Motors : MS941-03 TYPE A-6, GM : GMW3038P-PA66-GF30H

Applied Models

Pipe

Molders

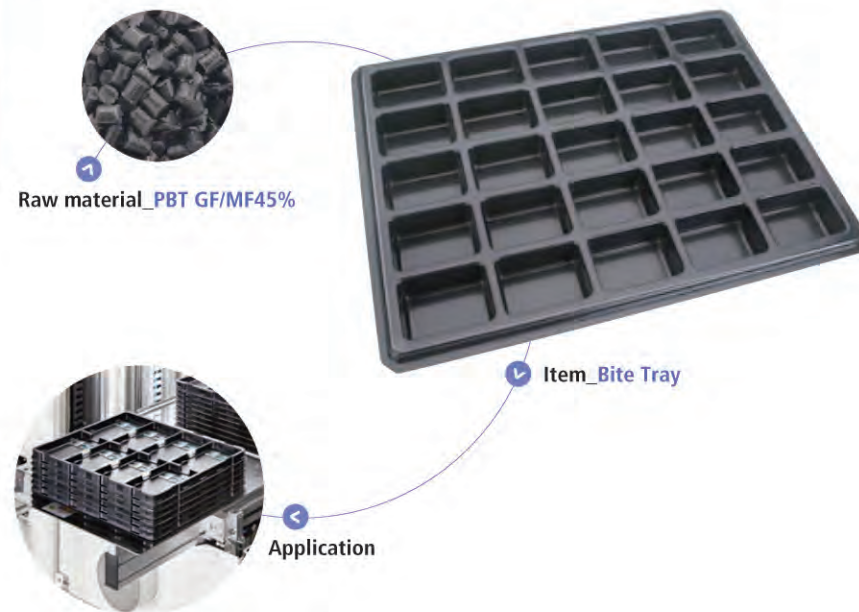
SAMU DIES

Industry Product Parts

BITE TRAY

DESOX®

DSC401GM9



Information on Applied Products

Product Functions

Contains equal amount of products and safely transport while protecting the items.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and Mechanical Property Data

DSC401GM9 is PBT reinforced with glass fiber and mineral 45%.
It has excellent electrical properties and strength.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.67
Tensile Strength	ISO 527	MPa	121
Elongation	ISO 527	%	1.6
Flexural Strength	ISO 178	MPa	180
Flexural Modulus	ISO 178	MPa	11,500
Charpy Impact Strength	ISO 1791	KJ/m ²	6

Approved OEM

Approved Spec.

Applied Models

Electric and electronic part tray

Molders

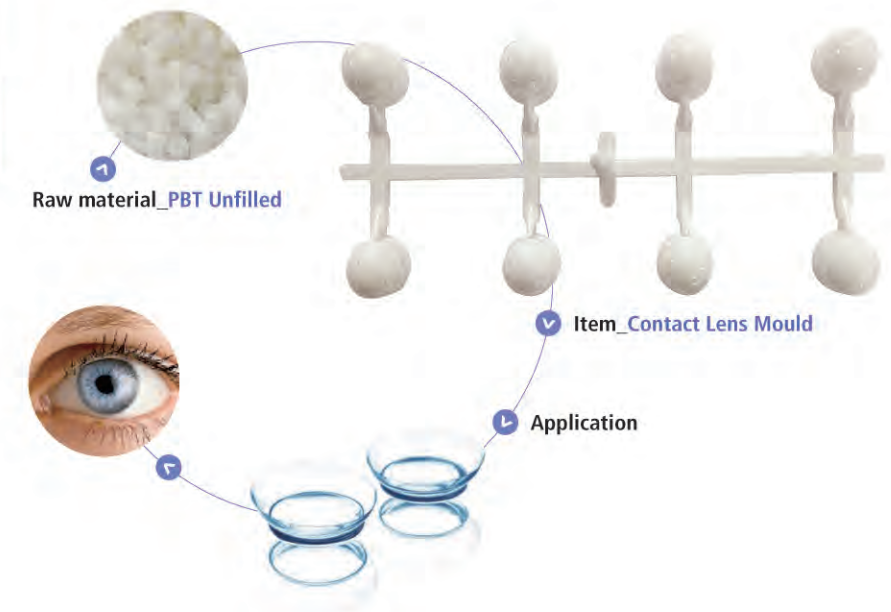
Daegu Tech

Industry Product Parts

CONTACT LENS MOULD

DESOX®

DSC410F



Information on Applied Products

Product Functions

Frame of contact lenses that holds contact lenses. Visually clean appealing.

Required Feature of Product

1. Dimensional stability 2. Surface appearance

Material and Mechanical Property Data

DSC410F is PBT base, non-reinforced product.
It has excellent appearance and dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.35
Tensile Strength	ISO 527	MPa	59
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	100
Flexural Modulus	ISO 178	MPa	3,000
Charpy Impact Strength	ISO 1791	KJ/m ²	3

Approved OEM

Patent Patent right no. 2004-0032720

Applied Models

Molders

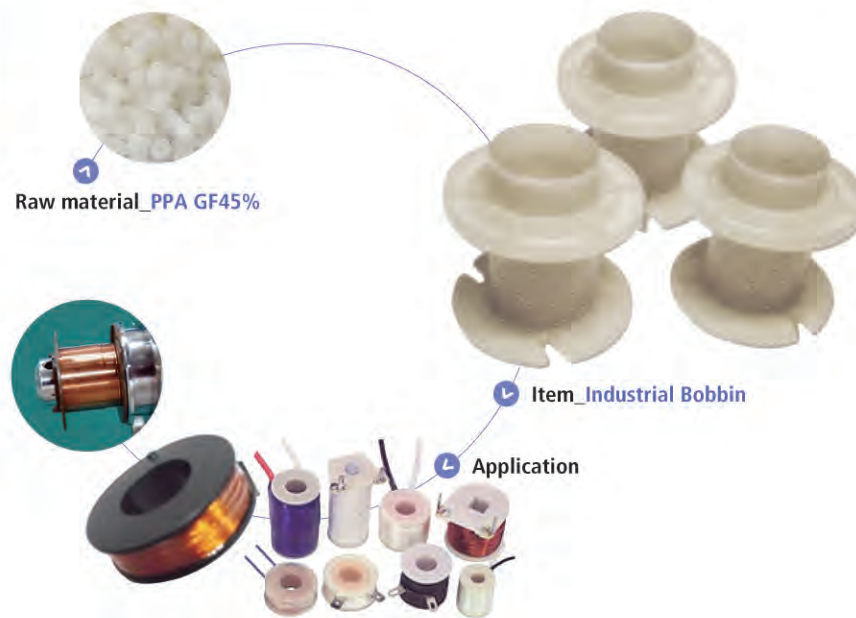
Baeksan

Industry Product Parts

INDUSTRIAL BOBBIN

DESTRON®

DSC1701GH9

Information on
Applied Products

Product Functions

Winds the coil of central part in the cylindrical form.

Required Feature of Product

1. Stiffness 2. Heat-resistant stability 3. Low absorption

Material and
Mechanical
Property Data

DSC1701GH9 is PPA reinforced with glass fiber 45%. It has excellent heat stability, chemical resistance and low water absorption, excellent mechanical properties and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.58
Tensile Strength	ISO 527	MPa	245
Elongation	ISO 527	%	2.1
Flexural Strength	ISO 178	MPa	370
Flexural Modulus	ISO 178	MPa	15,500
Charpy Impact Strength	ISO 1791	KJ/m ²	14

Approved OEM

Approved Spec.

Applied Models

Molders

Industry Product Parts

HAIR STRAIGHTENER FRAME

DESOX®

DSC401G6

Information on
Applied Products

Product Functions

Hair straightener frame.

Required Feature of Product

1. Stiffness 2. Heat resistance 3. Dimensional stability

Material and
Mechanical
Property Data

DSC401G6 is PBT reinforced with glass fiber 30%. It has excellent stiffness, heat stability and electrical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.50
Tensile Strength	ISO 527	MPa	139
Elongation	ISO 527	%	3.1
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	9,200
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec.

Applied Models

Applies to UNIX straightener

Molders

UNIX

Industry Product Parts

WASHING MACHINE DOOR HINGE

DESTRON®

DSC1701GH6

Information on
Applied Products

Product Functions

Holds the door when opening or closing the door of washing machine.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat resistance 4. Low water absorption

Material and
Mechanical
Property Data

DSC1701GH6 is PPA reinforced with Glass Fiber 30%. It has excellent mechanical strength, low water absorption and chemical resistance, and in particular excellent long-term heat stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.42
Tensile Strength	ISO 527	MPa	2,000
Elongation	ISO 527	%	2.0
Flexural Strength	ISO 178	MPa	2,750
Flexural Modulus	ISO 178	MPa	100,000
Charpy Impact Strength	ISO 1791	KJ/m ²	10.0

Approved OEM

Approved Spec.

Applied Models

LG Electronic Washers

Molders

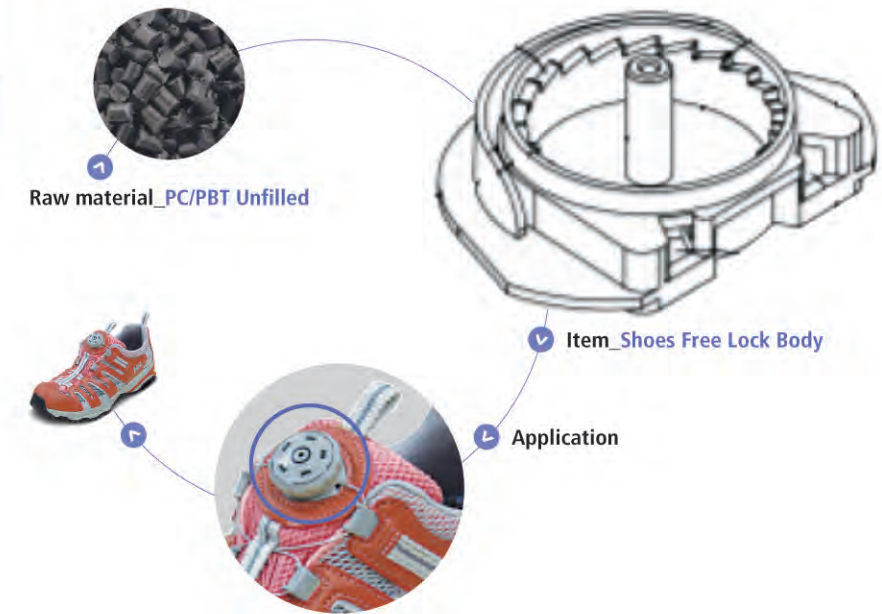
LG

Industry Product Parts

SHOES FREE LOCK BODY

DESLOY®

DSC940D

Information on
Applied Products

Product Functions Protects the device of tightening the shoe with a wire instead of general shoe lace, and attaching it to the shoe.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC940D is impact modified grade on PC and PBT alloy. It has excellent mechanical properties and low-temperature impact feature.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.20
Tensile Strength	ISO 527	MPa	60
Elongation	ISO 527	%	90.0
Flexural Strength	ISO 178	MPa	95
Flexural Modulus	ISO 178	MPa	2,400
Charpy Impact Strength	ISO 1791	KJ/m ²	82

Approved OEM

Approved Spec.

Applied Models

Running shoes such as trekking shoes, tennis shoes and safety shoes

Molders

Shingyeong



Pioneer for a new market of advanced plastic materials.
It is Desco. Desco will continue to improve technology and solution
to create a bright future for all humans.



ELECTRICAL ELECTRONICS PARTS

Rice Cooker Body
Electric Double Boiler
Washing Machine Support
Alkaline Gasket
Speaker Frame
Dryer Nozzle Case
TV Back Cover
Valve
Electric Range Housing Lower
TV Stand Guide



Electrical Electronics Parts

RICE COOKER BODY

DESILON® 6

DSC101M6

Information on
Applied Products

Product Functions

Frame of rice cooker where various parts are assembled together.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Surface appearance

Material and
Mechanical
Property DataDSC101M6 is reinforced with mineral 30% on polyamide6.
It has excellent mechanical properties and dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.40
Tensile Strength	ISO 527	MPa	70
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	115
Flexural Modulus	ISO 178	MPa	4,450
Charpy Impact Strength	ISO 1791	KJ/m ²	3.5

Approved OEM

Approved Spec.

Applied Models

Rehome Cuchen rice cooker

Molders

Rehome Cuchen

Electrical Electronics Parts

ELECTRIC DOUBLE BOILER

DESILON® 6

DSC101M6

Information on
Applied Products

Product Functions

Contains the pot as the part of double boiler.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Surface feature

Material and
Mechanical
Property DataDSC101M6 is reinforced with mineral 30% on polyamide6.
It has excellent mechanical properties and dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.40
Tensile Strength	ISO 527	MPa	70
Elongation	ISO 527	%	3.5
Flexural Strength	ISO 178	MPa	115
Flexural Modulus	ISO 178	MPa	4,450
Charpy Impact Strength	ISO 1791	KJ/m ²	3.5

Approved OEM

Approved Spec.

Applied Models

Dachen double boiler

Molders

Dachen

Electrical Electronics Parts

WASHING MACHINE SUPPORT

DESILON® 66

DSC201HI

Information on
Applied Products

Product Functions

Controls vibration from washing machine and reduces noises.

Required Feature of Product

1. Dimensional stability 2. Impact resistance

Material and
Mechanical
Property Data

DSC201HI is impact modified grade on polyamide66.
It has excellent mechanical strength, impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	55
Elongation	ISO 527	%	100
Flexural Strength	ISO 178	MPa	79
Flexural Modulus	ISO 178	MPa	1,890
Charpy Impact Strength	ISO 1791	KJ/m ²	29.5

Approved OEM

Approved Spec.

Applied Models

Common specification of washing machine of Daewoo Electronics

Molders

Koh-a Jung Gong

Electrical Electronics Parts

ALKALINE GASKET

DESILON® 66

DSC201HI

Information on
Applied Products

Product Functions

Prevents oil leakage in the battery and keeps internal pressure.

Required Feature of Product

1. Dimensional stability 2. Pressure resistance 3. Surface feature 4. Ejection

Material and
Mechanical
Property Data

DSC201HI is impact modified grade on polyamide66.
It has excellent mechanical strength, impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.10
Tensile Strength	ISO 527	MPa	55
Elongation	ISO 527	%	100
Flexural Strength	ISO 178	MPa	79
Flexural Modulus	ISO 178	MPa	1,890
Charpy Impact Strength	ISO 1791	KJ/m ²	29.5

Approved OEM

Approved Spec.

Applied Models

AAA, AA battery

Molders

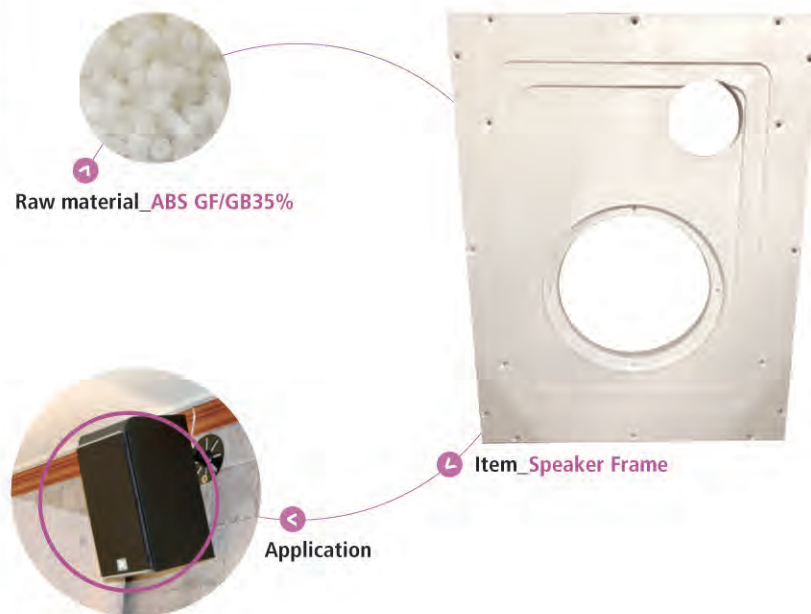
Bexell

Electrical Electronics Parts

SPEAKER FRAME

DESLOY®

DSC801GFB7

Information on
Applied Products

Product Functions

Support frame of wall-mounted speaker.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC801GFB7 is ABS reinforced with glass fiber and glass bead 35%.
It has excellent stiffness and dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.34
Tensile Strength	ISO 527	MPa	60
Elongation	ISO 527	%	1.6
Flexural Strength	ISO 178	MPa	95
Flexural Modulus	ISO 178	MPa	5,100
Charpy Impact Strength	ISO 1791	KJ/m ²	5.5

Approved OEM

Approved Spec.

Applied Models

Wall-mounted speaker

Molders

Electrical Electronics Parts

DRYER NOZZLE CASE

DESOX®

DSC401G6

Information on
Applied Products

Product Functions

A case of hair dryer.

Required Feature of Product

1. Stiffness 2. Heat stability

Material and
Mechanical
Property Data

DSC401G6 is PBT reinforced with glass fiber 30%.
It has excellent stiffness, heat stability and electrical properties.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.50
Tensile Strength	ISO 527	MPa	139
Elongation	ISO 527	%	3.1
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	9,200
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec.

Applied Models

UNIX hair dryer

Molders

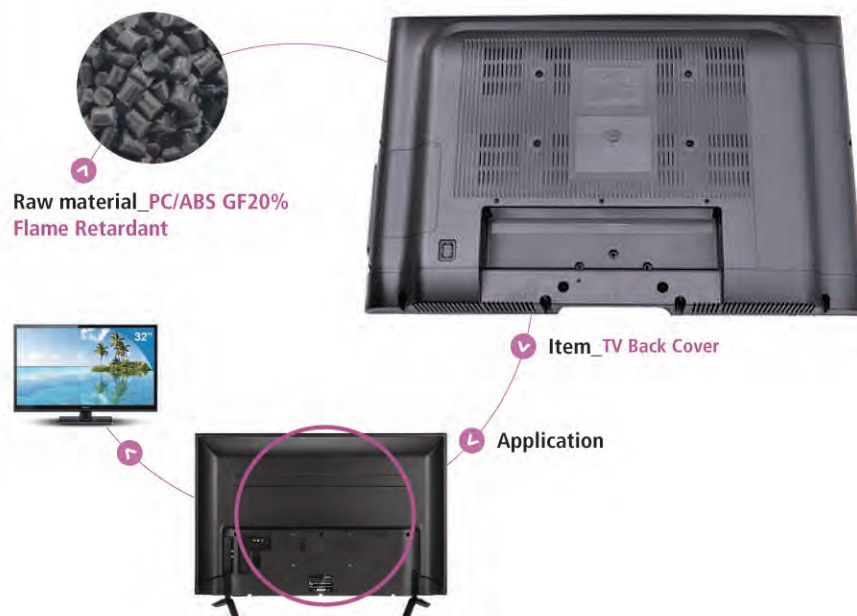
UNIX

Electrical Electronics Parts

TV BACK COVER

DESLOY®

DSC892FG4

Information on
Applied Products

Product Functions

Protects and supports the rear exterior part of TV.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Surface appearance 4. Flame retardancy

Material and
Mechanical
Property Data

DSC892FG4 is PC and ABS alloy resin. It has excellent stiffness, low moisture absorption, no gloss, excellent flame retardancy, low warpage, and has excellent dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.34
Tensile Strength	ISO 527	MPa	95
Elongation	ISO 527	%	2.0
Flexural Strength	ISO 178	MPa	135
Flexural Modulus	ISO 178	MPa	6,500
Charpy Impact Strength	ISO 1791	KJ/m ²	8

Approved OEM

Approved Spec. Samsung Electronics

Applied Models

Samsung Electronics TV 38" ~

Molders

Samsung Electronics

Electrical Electronics Parts

VALVE

DESLOY®

DSC903

Information on
Applied Products

Product Functions

Adjust coolant line cooling down heat of a refrigerator.

Required Feature of Product

1. Dimensional stability 2. Impact resistance

Material and
Mechanical
Property Data

DSC903 is PC material with excellent impact resistance, electrical properties, low moisture absorption, weather resistance and self-extinguishing ability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.20
Tensile Strength	ISO 527	MPa	60
Elongation	ISO 527	%	56.0
Flexural Strength	ISO 178	MPa	95
Flexural Modulus	ISO 178	MPa	2,500
Charpy Impact Strength	ISO 1791	KJ/m ²	11

Approved OEM

Approved Spec.

Applied Models

LG refrigerators

Molders


Mujigae Soltech

Electrical Electronics Parts


ELECTRIC RANGE HOUSING LOWER

DESLOY®


DSC903



Raw material_PC Unfilled



Item_Electric Range Housing Lower



Application

Information on Applied Products

Product Functions
A housing fixed at the bottom of electric range.
Required Feature of Product
1. Stiffness 2. Dimensional stability 3. Surface appearance

Material and Mechanical Property Data

DSC903 is PC material with excellent impact resistance, electrical properties, absorption, weather resistance and self-extinguishing ability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.20
Tensile Strength	ISO 527	MPa	60
Elongation	ISO 527	%	56.0
Flexural Strength	ISO 178	MPa	95
Flexural Modulus	ISO 178	MPa	2,500
Charpy Impact Strength	ISO 1791	KJ/m ²	11


Approved OEM Approved Spec.
Applied Models STARION electric range
Molders STARION

Electrical Electronics Parts


TV STAND GUIDE

DESLOY®


DSC902G4



Raw material_PC GF20%



Item_TV Stand Guide



Application

Information on Applied Products

Product Functions
TV stands.
Required Feature of Product
1. Stiffness 2. Dimensional stability 3. Flame retardancy

Material and Mechanical Property Data

DSC902G4 is reinforced with glass fiber 20% on PC. It has excellent stiffness, low moisture absorption, excellent flame retardancy, low warpage and excellent dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.33
Tensile Strength	ISO 527	MPa	100
Elongation	ISO 527	%	3.3
Flexural Strength	ISO 178	MPa	170
Flexural Modulus	ISO 178	MPa	6,000
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM Approved Spec. Samsung Electronics
Applied Models Samsung Electronics TV 38" ~
Molders Samsung Electronics



Pioneer for a new market of advanced plastic materials.
It is Desco. Desco will continue to improve technology and solution
to create a bright future for all humans.

NEW MATERIAL

POLYKETONE APPLICATION PARTS

DESTONE Overview
DESTONE Applications
Fuel Filler Door
Wheel Cover
Mold Case Circuit Bracket
Cooling Fan
Air Vent Wing
Ball Joint
Band Cable
Radiator End Tank
Door Checker
Door Roller
Pipe Cap

Water Purifier Parts
Wind Pressure Switch
Bobbin
Pump Housing
Heat Sink



Polyketone Application Parts(Automotive Exterior Parts)

FUEL FILLER DOOR

Information on
Applied Products

Product Functions

Protects the inlet as the cover of engine fuel inlet.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Vibration resistance

Material and
Mechanical
Property Data

DSC7500M4 is Polyketone reinforced with mineral.
It has excellent mechanical properties and dimensional stability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.38
Tensile Strength	ISO 527	MPa	50
Elongation	ISO 527	%	16.0
Flexural Strength	ISO 178	MPa	75
Flexural Modulus	ISO 178	MPa	2,600
Charpy Impact Strength	ISO 1791	KJ/m ²	6

Approved OEM

Approved Spec.

Applied Models

Molders

Polyketone Application Parts(Automotive Exterior Parts)

WHEEL COVER

Information on
Applied Products

Product Functions

Protects wheels and appeal design feature.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Impact resistance

Material and
Mechanical
Property Data

DSC7510STW is impact modified Polyketone grade.
It has excellent impact resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.16
Tensile Strength	ISO 527	MPa	50
Elongation	ISO 527	%	110.0
Flexural Strength	ISO 178	MPa	55
Flexural Modulus	ISO 178	MPa	1,600
Charpy Impact Strength	ISO 1791	KJ/m ²	75

Approved OEM

Approved Spec.

Applied Models

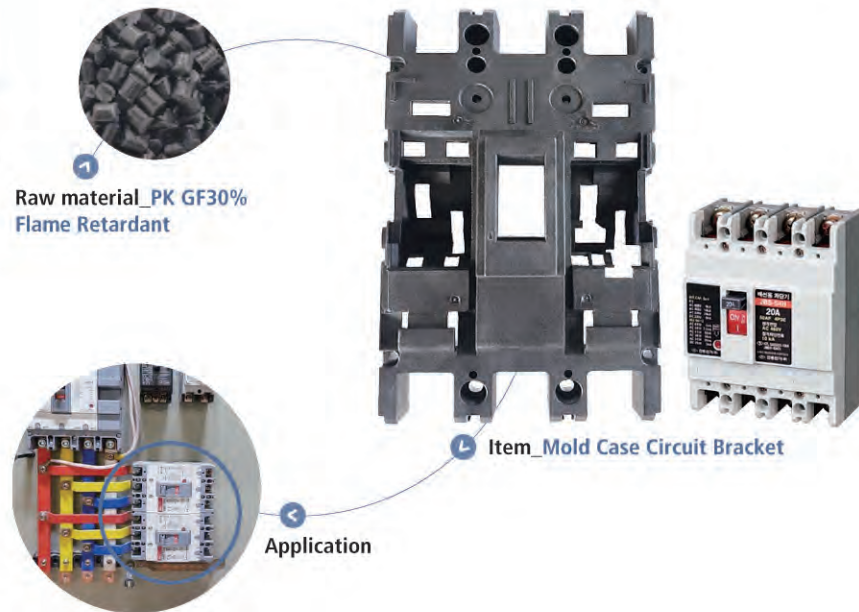
Molders

Polyketone Application Parts(Industry Product Parts)

MOLD CASE CIRCUIT BRACKET

DESTONE®

DSC7500FRG6

Information on
Applied Products

Product Functions

Mold case circuit bracket that protects short-circuit and overload of current.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Heat stability 4. Flame retardancy

Material and
Mechanical
Property Data

DSC7500FRG6 is Polyketone reinforced with glass fiber 30%. It has excellent high mechanical strength, wear resistance and flame retardancy.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.44
Tensile Strength	ISO 527	MPa	130
Elongation	ISO 527	%	3.2
Flexural Strength	ISO 178	MPa	200
Flexural Modulus	ISO 178	MPa	7,100
Charpy Impact Strength	ISO 1791	KJ/m ²	16.5

Approved OEM

Approved Spec.

Applied Models

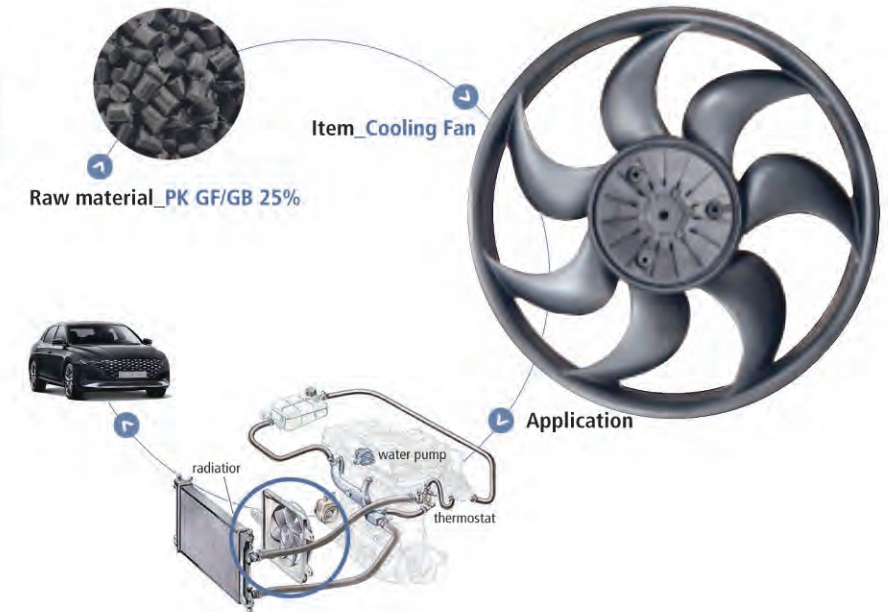
Molders

Polyketone Application Parts(Automotive Chassis Parts)

COOLING FAN

DESTONE®

DSC7510GB5 BK

Information on
Applied Products

Product Functions

Cools the heat generated in engine to radiator.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Vibration resistance

Material and
Mechanical
Property Data

DSC7510GB5 BK is Polyketone reinforced with 25% glass fiber and glass bubble. It has excellent mechanical properties, dimensional stability and feature of light-weight and noise reduction.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.35
Tensile Strength	ISO 527	MPa	115
Elongation	ISO 527	%	2.9
Flexural Strength	ISO 178	MPa	160
Flexural Modulus	ISO 178	MPa	5,500
Charpy Impact Strength	ISO 1791	KJ/m ²	10.0

Approved OEM

Approved Spec. Hyundai & Kia Motors : MS246-01

Applied Models

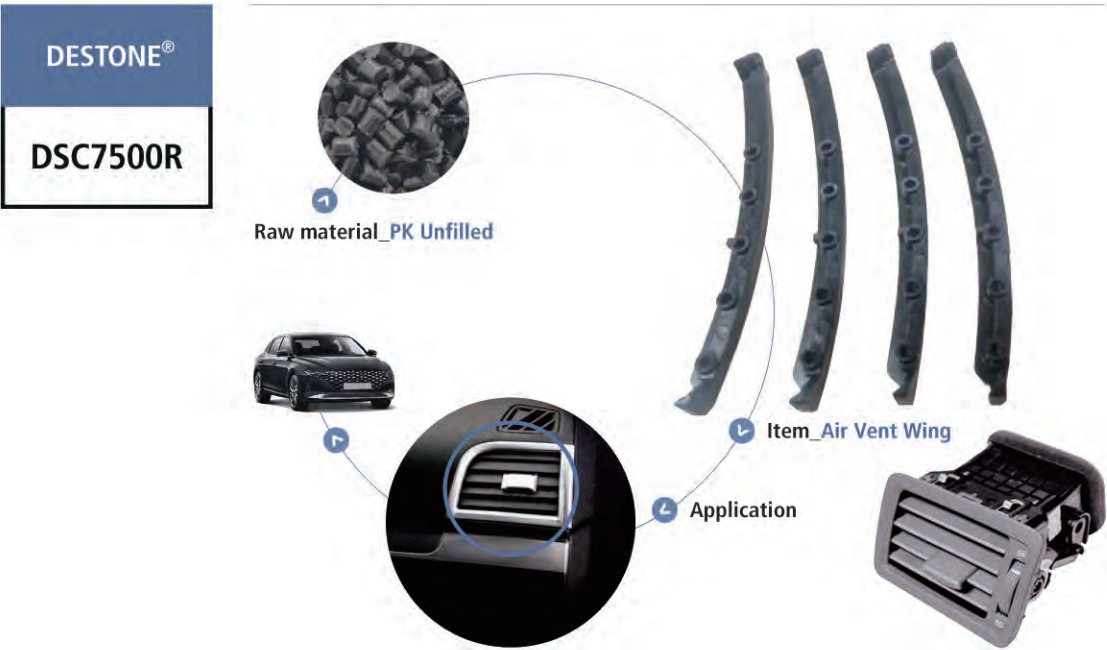
Common specification of Hyundai Motors & Kia Motors cars

Molders

Haon System

Polyketone Application Parts(Automotive Chassis Parts)

AIR VENT WING



Information on Applied Products

Product Functions
Adjusts air flow from the air vent.

Required Feature of Product
1. Stiffness 2. Dimensional stability 3. Surface feature

Material and Mechanical Property Data

DSC7500R is Polyketone and has high mechanical strength, excellent wear resistance and moldability

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.24
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	250.0
Flexural Strength	ISO 178	MPa	70
Flexural Modulus	ISO 178	MPa	1,900
Charpy Impact Strength	ISO 1791	KJ/m ²	11

Approved OEM Approved Spec.

Applied Models

Molders

Polyketone Application Parts(Automotive Chassis Parts)

BALL JOINT



Information on Applied Products

Product Functions
Lubricates the joint in the vehicle suspension.

Required Feature of Product
1. Stiffness 2. Chemical resistance 3. Wear resistance

Material and Mechanical Property Data

DSC7500A is Polyketone and has excellent mechanical strength, wear resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.24
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	160.0
Flexural Strength	ISO 178	MPa	65
Flexural Modulus	ISO 178	MPa	1,500
Charpy Impact Strength	ISO 1791	KJ/m ²	10

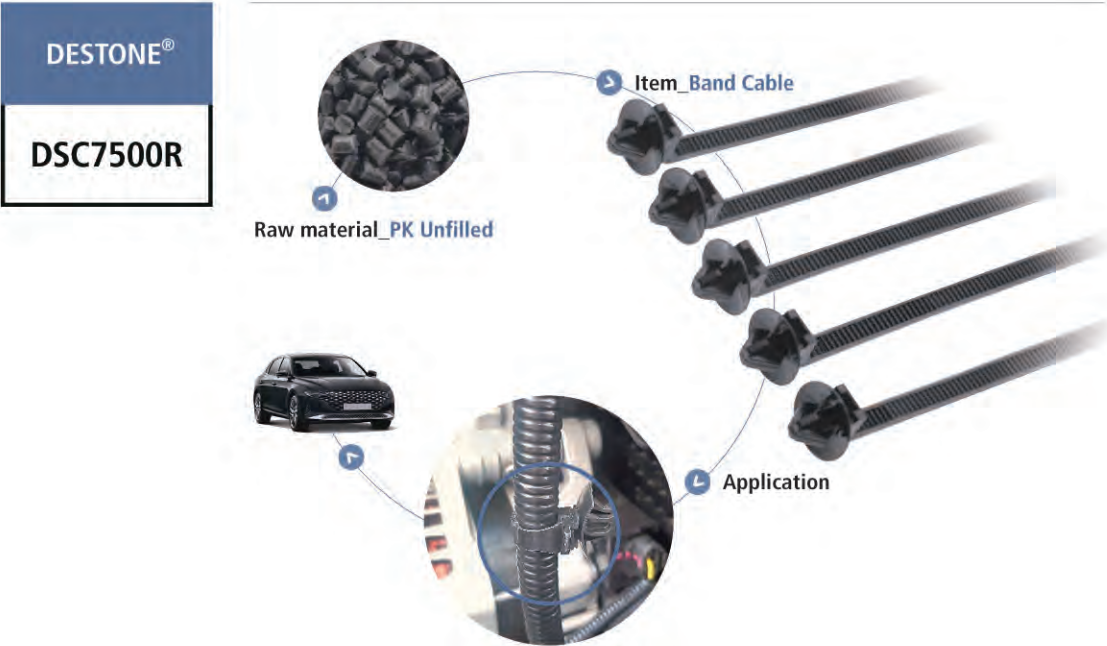
Approved OEM Approved Spec.

Applied Models Common specification of Hyundai Motors & Kia Motors

Molders Kwangdeok A&T

Polyketone Application Parts(Automotive Chassis Parts)

BAND CABLE



Information on
Applied Products

Product Functions
Holds the wires and parts.
Required Feature of Product
1. Dimensional stability 2. Impact resistance 3. Wear resistance

Material and
Mechanical
Property Data

DSC7500R is unreinforced polyketone product and has excellent flexibility and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.24
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	250.0
Flexural Strength	ISO 178	MPa	70
Flexural Modulus	ISO 178	MPa	1,900
Charpy Impact Strength	ISO 1791	KJ/m ²	11

Approved OEM Approved Spec.

Applied Models

Molders

Polyketone Application Parts(Automotive Power Train Parts)

RADIATOR END TANK



Information on
Applied Products

Product Functions Radiator functions to discharge the heat generated in the engine to the air as the cooling water receives heat through engine radiator.
Required Feature of Product
1. Stiffness 2. Dimensional stability 3. Heat stability 4. Chemical resistance

Material and
Mechanical
Property Data

DSC7500G6 is Polyketone reinforced with glass fiber 30%. It has excellent mechanical properties and mechanical strength, dimensional stability, chemical resistance and gas barrier feature.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.46
Tensile Strength	ISO 527	MPa	136
Elongation	ISO 527	%	3.0
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	7,500
Charpy Impact Strength	ISO 1791	KJ/m ²	15

Approved OEM Approved Spec.

Applied Models

Molders Hanon

Polyketone Application Parts(Automotive Chassis Parts)

DOOR CHECKER

DESTONE®

DSC7500A

Information on
Applied Products

Product Functions

Allows the opening and closing of vehicle doors in proper angle.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Wear resistance

Material and
Mechanical
Property Data

DSC7500A is unreinforced polyketone product.
It has excellent mechanical strength, wear resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.24
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	160.0
Flexural Strength	ISO 178	MPa	65
Flexural Modulus	ISO 178	MPa	1,500
Charpy Impact Strength	ISO 1791	KJ/m ²	10

Approved OEM

Approved Spec.

Applied Models

Molders

Polyketone Application Parts(Industry Product Parts)

DOOR ROLLER

DESTONE®

DSC7500A

Information on
Applied Products

Product Functions

Allows the door to open and close easily.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Wear resistance

Material and
Mechanical
Property Data

DSC7500A is Polyketone.
It has excellent mechanical strength, wear resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	—	1.24
Tensile Strength	ISO 527	MPa	65
Elongation	ISO 527	%	160.0
Flexural Strength	ISO 178	MPa	65
Flexural Modulus	ISO 178	MPa	1,500
Charpy Impact Strength	ISO 1791	KJ/m ²	10

Approved OEM

Approved Spec.

Applied Models

Molders

Polyketone Application Parts(Industry Product Parts)

PIPE CAP

DESTONE®

DSC7500M6

Information on
Applied Products

Product Functions

Pipe cap that connects and covers the end and connecting parts.

Required Feature of Product

1. Dimensional stability 2. Heat stability 3. Low absorption

Material and
Mechanical
Property Data

DSC7500M6 is Polyketone and has excellent high mechanical strength, wear resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.47
Tensile Strength	ISO 527	MPa	61
Elongation	ISO 527	%	13.8
Flexural Strength	ISO 178	MPa	77
Flexural Modulus	ISO 178	MPa	2,200
Charpy Impact Strength	ISO 1791	KJ/m ²	9

Approved OEM

Approved Spec.

Applied Models

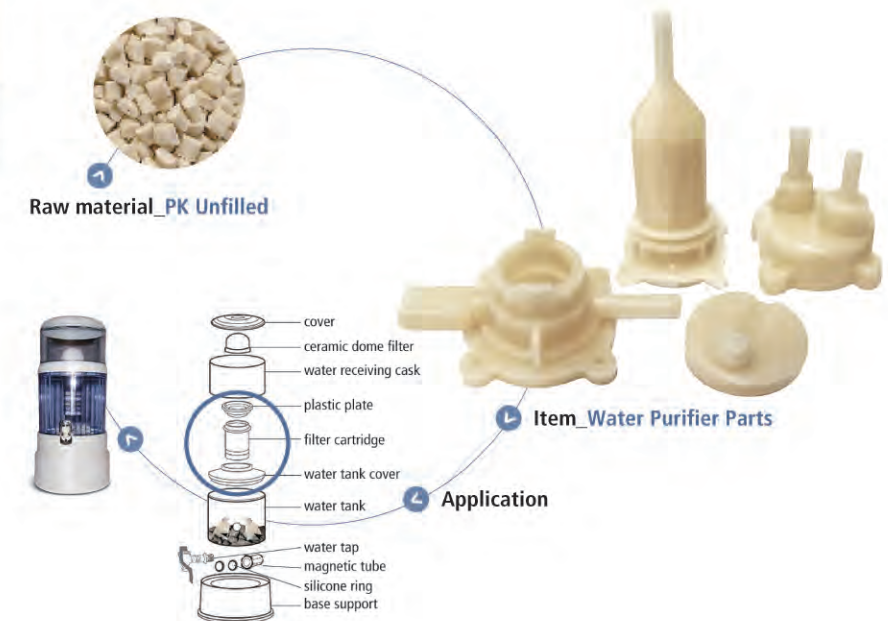
Molders

Polyketone Application Parts(Industry Product Parts)

WATER PURIFIER PARTS

DESTONE®

DSC7500R

Information on
Applied Products

Product Functions

A pipe connecting various hose in the water purifier.

Required Feature of Product

1. Stiffness 2. Dimensional stability

Material and
Mechanical
Property Data

DSC7500R is Polyketone and has excellent high mechanical strength, wear resistance and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.24
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	250.0
Flexural Strength	ISO 178	MPa	70
Flexural Modulus	ISO 178	MPa	1,900
Charpy Impact Strength	ISO 1791	KJ/m ²	11

Approved OEM

Approved Spec.

Applied Models

Molders

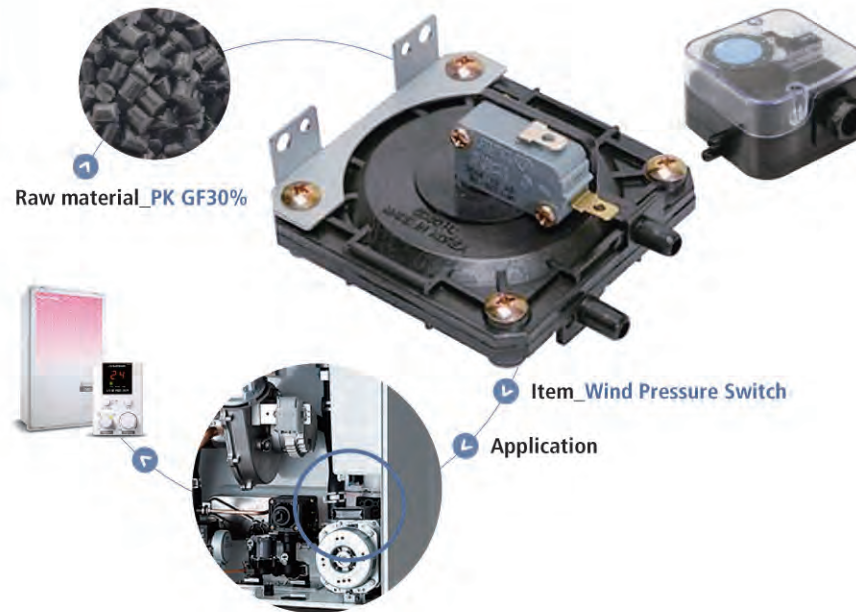
Woongjin Coway

Polyketone Application Parts(Industry Product Parts)

WIND PRESSURE SWITCH

DESTONE®

DSC7500G6

Information on
Applied Products**Product Functions** Sensor that monitors operation of boiler blower.**Required Feature of Product**

1. Stiffness 2. Dimensional stability 3. Chemical resistance

Material and
Mechanical
Property Data

DSC7500G6 is Polyketone reinforced with glass fiber 30%.

It has excellent mechanical properties mechanical strength, dimensional stability, chemical resistance and gas barrier feature.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.46
Tensile Strength	ISO 527	MPa	136
Elongation	ISO 527	%	3.0
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	7,500
Charpy Impact Strength	ISO 1791	KJ/m ²	15

Approved OEM

Approved Spec. Portable water certification(WRAS of UK, ACS of France, KTW of Germany)

Applied Models

Boiler parts

Molders

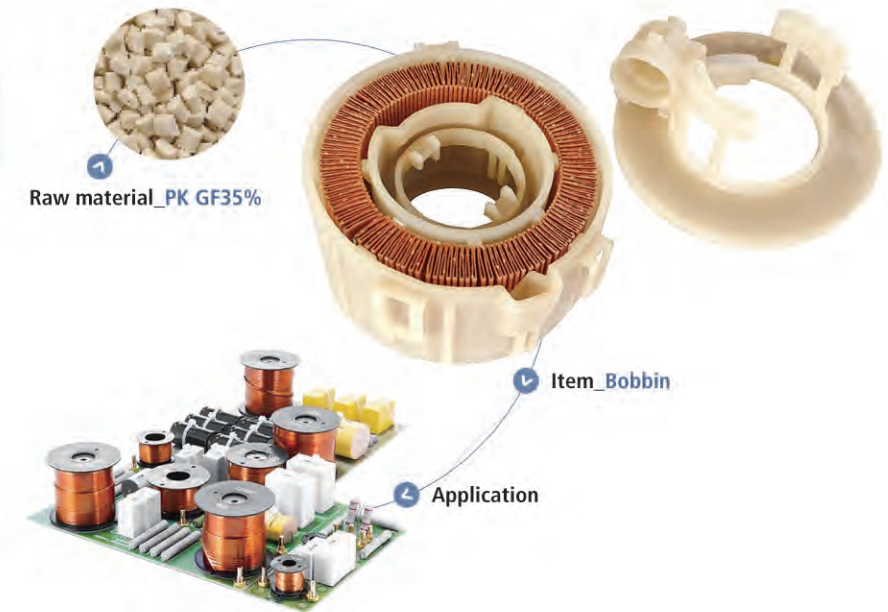
Daeseong Seltech, Lotte Boiler, Kiturami Boiler

Polyketone Application Parts(Industry Product Parts)

BOBBIN

DESTONE®

DSC7500G7

Information on
Applied Products**Product Functions**

Winds industrial wire, coil or rope.

Required Feature of Product

1. Stiffness 2. Impact resistance

Material and
Mechanical
Property Data

DSC7500G7 is Polyketone reinforced with glass fiber 35%.

It has excellent mechanical strength, dimensional stability and chemical resistance.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	-	1.48
Tensile Strength	ISO 527	MPa	145
Elongation	ISO 527	%	3.2
Flexural Strength	ISO 178	MPa	220
Flexural Modulus	ISO 178	MPa	7,000
Charpy Impact Strength	ISO 1791	KJ/m ²	18

Approved OEM

Approved Spec.

Applied Models

Molders

Polyketone Application Parts(Industry Product Parts)

PUMP HOUSING

DESTONE®

DSC7500G6

Information on
Applied Products

Product Functions

Frame where various parts of industrial pumps are assembled and supported.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Chemical resistance

Material and
Mechanical
Property Data

DSC7500G6 is Polyketone reinforced with glass fiber 30%. It has excellent mechanical properties, dimensional stability, and chemical resistance, barrier feature.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.46
Tensile Strength	ISO 527	MPa	136
Elongation	ISO 527	%	3.0
Flexural Strength	ISO 178	MPa	210
Flexural Modulus	ISO 178	MPa	7,500
Charpy Impact Strength	ISO 1791	KJ/m ²	15

Approved OEM

Approved Spec. Portable water certification(WRAS of UK, ACS of France, KTW of Germany)

Applied Models

Pump model for industry, agriculture and drinking water

Molders

Wilo

Polyketone Application Parts(Industry Product Parts)

HEAT SINK

DESTONE®

DSC7500CG

Information on
Applied Products

Product Functions

Supports and absorbs heat from the object and releases effectively.

Required Feature of Product

1. Stiffness 2. Dimensional stability 3. Chemical resistance 4. Thermal conductivity

Material and
Mechanical
Property Data

DSC7500CG is Polyketone reinforced with graphite and glass fiber 20%. It has thermal conductivity, excellent mechanical strength, flowability and moldability.

Property	Test Method	Unit	Typical Values
Specific Gravity	ISO 1183	–	1.52
Tensile Strength	ISO 527	MPa	95
Elongation	ISO 527	%	3
Flexural Strength	ISO 178	MPa	145
Flexural Modulus	ISO 178	MPa	6,800
Charpy Impact Strength	ISO 1791	KJ/m ²	12

Approved OEM

Approved Spec.

Applied Models

Bulb parts

Molders

Woori Lighting

NOTE

dEsco

NOTE

dEsco

NOTE

Inside
your life...
DESCO

DESCO