

DESLON™ 6 DSC150D

Polyamide 6

DESCO Co., Ltd.

Message:

Descriptions: DESLON™ DSC150D is one of the brands which made by Polyamide6 that alloy with Polypropylene unfilled resin. It has good hinge property and low absorption property.

Applications: DESLON™ DSC150D is applied to automotive clip and other parts which request low absorption feature and good hinge property.

General Information			
Features	Low hygroscopicity		
Uses	Fasteners		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4 - 1.8	%	
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	59.6	MPa	ASTM D638
Tensile Elongation (Break)	63	%	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Flexural Strength	83.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	149	°C	ASTM D648
1.8 MPa, not annealed	68.0	°C	ASTM D648
Melting Temperature	220	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 120	°C	
Drying Time	3.0 - 5.0	hr	
Suggested Max Moisture	< 0.20	%	
Rear Temperature	240 - 250	°C	
Middle Temperature	250 - 260	°C	
Front Temperature	250 - 270	°C	

Nozzle Temperature	255 - 270	°C
Processing (Melt) Temp	255 - 270	°C
Mold Temperature	80.0 - 100	°C

Injection instructions

Speed: 30 to 60%Pressure 1st: 30 to 70%Pressure 2nd: 30 to 70Holding Pressure: 10 to 30%

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Recommended distributors for this material

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