DESLON™ 66 DSC210IR

Polyamide 66

DESCO Co., Ltd.

Message:

Descriptions: DESLON™ DSC210IR is one of the brands which made by Polyamide66 and unreinforced goods. It provides high mechanical strength, high impact resistance and excellent injection molding property.
Applications: DESLON™ DSC210IR is one of the most-used resin requested for mechanical strength, impact resistance and goods injection molding property, such as Fuse Box, Height Knob of Automotive parts.

General Information			
Features	High strength Impact resistance, high		
Uses	Electrical components Application in Automobile Field Knob		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.11	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.7 - 2.3	%	
Water Absorption (23°C, 24 hr)	1.3	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	61.8	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2160	MPa	ASTM D790
Flexural Strength	84.3	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	150	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	220	°C	ASTM D648
1.8 MPa, not annealed	65.0	°C	ASTM D648
Melting Temperature	260	°C	DSC
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength	24	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.10		ASTM D150
Flammability	**Nominal Value**	**Unit**	**Test Method**

Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	4.0 - 5.0	hr	
Suggested Max Moisture	< 0.20	%	
Rear Temperature	270 - 280	°C	
Middle Temperature	280 - 285	°C	
Front Temperature	285 - 290	°C	
Nozzle Temperature	280 - 285	°C	
Processing (Melt) Temp	280 - 285	°C	
Mold Temperature	80.0 - 120	°C	

Injection instructions

Speed: 40 to 70%Pressure 1st: 30 to 60%Pressure 2nd: 30 to 60Holding Pressure: 10 to 20%

Recommended distributors for this material

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