

DESLON™ 66 DSC223G6

Polyamide 66

DESCO Co., Ltd.

Message:

Descriptions: DESLON™ DSC223G6 is one of the brands which made by Polyamide66 that filled Glass Fiber 33% and reinforced goods. It provides high mechanical strength, good fluidity property and good injection molding property.

Applications: DESLON™ DSC223G6 is one of the most-used resin requested for high mechanical strength, thermal property goods, such as Actuator Motor Case of Automotive parts.

General Information			
Filler / Reinforcement	Graphite fiber reinforced material, 33% filler by weight		
Features	High strength		
	Good liquidity		
	Thermal stability, good		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.80	%	
Water Absorption (23°C, 24 hr)	0.60	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	196	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	9810	MPa	ASTM D790
Flexural Strength	265	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	255	°C	ASTM D648
1.8 MPa, not annealed	250	°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	25	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	4.00		ASTM D150

Arc Resistance	120	sec	ASTM D495
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%

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