

DESLON™ 6 DSC124GM

Polyamide 6

DESCO Co., Ltd.

Message:

Descriptions: DESLON™ DSC124GM is one of the brands which made by Polyamide6 that filled Glass Fiber & Mineral Filler 40%. It provides good mechanical property and heat resistance property.

Applications: DESLON™ DSC124GM is one of the most-used resin for Roof rack, Hood Latch etc. which request excellent fluidity property and surface appearance and weatherability

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Features	Good liquidity		
	Good weather resistance		
	Heat resistance, high		
	Sunlight resistance, 720 hours		
Uses	Industrial application		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.70	%	
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	137	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8920	MPa	ASTM D790
Flexural Strength	216	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	210	°C	ASTM D648
1.8 MPa, not annealed	205	°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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