

DESLON™ 6 DSC122SG6

Polyamide 6

DESCO Co., Ltd.

Message:

Descriptions: DESLON™ DSC122SG6 is one of the brands which made by Polyamide6 that filled Glass Fiber 25% and impact resistance substance reinforced goods. It provides good mechanical property, high strength and elasticity property.

Applications: DESLON™ DSC122SG6 is one of the most-used for goods that has good mechanical property of high strength, good elasticity and impact resistance property, such as Automotive parts which has good injection molding property.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Features	High elasticity		
	High strength		
	Impact resistance, high		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.80	%	
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	118	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	6860	MPa	ASTM D790
Flexural Strength	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	200	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	190	°C	ASTM D648
Melting Temperature	220	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+12	ohms · cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	4.00		ASTM D150
Arc Resistance	160	sec	ASTM D495
Flammability	Nominal Value	Unit	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%

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

