

DESLOY™ DSC903G6

Polycarbonate

DESCO Co., Ltd.

Message:

Descriptions: DESLOY™ DSC903G6 is PC(Polycarbonate) Glass fiber 30% filled reinforced resin. It has good electrical property and weatherability.

Applications: DESLOY™ DSC903G6 is applied electronic & electrical parts which request static electricity resistance..

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Antistatic property		
Features	Antistatic property		
	Good electrical performance		
	Good weather resistance		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.50	%	
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	127	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	6860	MPa	ASTM D790
Flexural Strength	167	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	152	°C	ASTM D648
1.8 MPa, not annealed	148	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.0E+15	ohms · cm	ASTM D257
Dielectric Strength	21	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.30		ASTM D150
Arc Resistance	120	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

Injection	Nominal Value	Unit
Drying Temperature	100 - 120	°C
Drying Time	3.0 - 5.0	hr
Suggested Max Moisture	< 0.20	%
Rear Temperature	260 - 270	°C
Middle Temperature	270 - 285	°C
Front Temperature	270 - 290	°C
Nozzle Temperature	270 - 290	°C
Processing (Melt) Temp	270 - 290	°C
Mold Temperature	60.0 - 90.0	°C
Injection instructions		

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

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

