

DESLON™ 66 DSC201G10

Polyamide 66

DESCO Co., Ltd.

Message:

Descriptions: DESLON™ DSC201G10 is one of the brands which made by Polyamide66 that filled Glass Fiber 50% and reinforced goods. It provides high mechanical strength, good fluidity property and excellent injection molding property.

Applications: DESLON™ DSC201G10 is one of the most-used for high mechanical strength property and strength for vibration goods, such as Automotive Side Mirror Parts of Automotive, Mechanical.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Features	High strength		
	Good liquidity		
Uses	Automotive exterior parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.60	%	
Water Absorption (23°C, 24 hr)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	128		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	221	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	12700	MPa	ASTM D790
Flexural Strength	314	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	265	°C	ASTM D648
1.8 MPa, not annealed	260	°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	105	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	100 - 130	°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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