

# DESLON™ 66 DSC211GM

Polyamide 66

DESCO Co., Ltd.

## Message:

Descriptions: DESLON™ DSC211GM is one of the brands which made by Polyamide66 that filled Glass Fiber/Mineral Filler 40% and reinforced goods. It provides high mechanical strength, modification resistance, good surface appearance and good thermal property.

Applications: DESLON™ DSC211GM is one of the most-used resin requested for mechanical strength, modification resistance, good surface appearance and thermal property goods, such as Engine Cover, Fan Shroud of Automotive parts.

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Features	Good dimensional stability		
	High strength		
	Thermal stability, good		
	Excellent appearance		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.80	%	
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	118	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	7350	MPa	ASTM D790
Flexural Strength	177	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	250	°C	ASTM D648
1.8 MPa, not annealed	220	°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	21	kV/mm	ASTM D149

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%

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

