

# DESLON™ 66 DSC201HI

Polyamide 66

DESCO Co., Ltd.

## Message:

Descriptions: DESLON™ DSC201HI is one of the brands which made by Polyamide66 and unreinforced goods. It provides high mechanical strength, good impact resistance and excellent injection molding property.

Applications: DESLON™ DSC201HI is one of the most-used for mechanical strength, impact resistance and injection molding property goods, such as Fuse Box, Fastener, Retainer, Battery Gasket of Automotive parts.

General Information			
Features	High strength		
	Impact resistance, high		
Uses	Electrical components		
	Washer		
	Fasteners		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.8 - 2.4	%	
Water Absorption (23°C, 24 hr)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	60.8	MPa	ASTM D638
Tensile Elongation (Break)	55	%	ASTM D638
Flexural Modulus	2060	MPa	ASTM D790
Flexural Strength	83.4	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	220	°C	ASTM D648
1.8 MPa, not annealed	65.0	°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	24	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.10		ASTM D150

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%

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#### Recommended distributors for this material

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