

# DESLON™ 6 DSC102G9

Polyamide 6

DESCO Co., Ltd.

## Message:

Descriptions: DESLON™ DSC102G9 is one of the brands which made by Polyamide6 that filled Glass Fiber 45% and reinforced goods. It provides excellent mechanical property, good fluidity property and molding property.

Applications: DESLON™ DSC102G9 is one of the most-used for high strength and heat-resisting property goods, such as electronic, electric goods and Automotive parts etc.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 45% filler by weight		
Features	High strength		
	Good liquidity		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.30	%	
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	196	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	12300	MPa	ASTM D790
Flexural Strength	304	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	190	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	210	°C	ASTM D648
Melting Temperature	220	°C	DSC
Flammability	Nominal Value		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%

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#### Recommended distributors for this material

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