

DESLON™ 6 DSC101R

Polyamide 6

DESCO Co., Ltd.

Message:

Descriptions: DESLON™ DSC101R is one of the Brands which made by Polyamide6. It provides good mechanical properties, dimensions stability and excellent chemical resistance.

Applications: DESLON™ DSC101R is one of the most-used for fast mold releasing good, such as Automotive parts of general Purpose, Clip, Fastener etc.

General Information			
Features	Good dimensional stability		
	Good chemical resistance		
	General		
	Good demoulding performance		
Uses	Gear		
	Fasteners		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.90 - 1.3	%	
Water Absorption (23°C, 24 hr)	1.7	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	83.4	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2940	MPa	ASTM D790
Flexural Strength	118	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	185	°C	ASTM D648
1.8 MPa, not annealed	65.0	°C	ASTM D648
Melting Temperature	220	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+12 - 1.0E+14	ohms · cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.00		ASTM D150

Arc Resistance	195	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	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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