

DESLON™ 66 DSC201R

Polyamide 66

DESCO Co., Ltd.

Message:

Descriptions: DESLON™ DSC201R is one of the brands which made by Polyamide66 and unreinforced, lubricated goods. It provides good mechanical property, good fluidity property and excellent injection molding property.

Applications: DESLON™ DSC201R is one of the most-used for thermal property and high productivity goods, such as Clip, Bobbin, Automotive parts, electric and electronic parts.

General Information			
Additive	Lubricant		
Features	Good liquidity		
	Lubrication		
Uses	Fasteners		
	Application in Automobile Field		
	spool		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.8 - 2.0	%	
Water Absorption (23°C, 24 hr)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	83.4	MPa	ASTM D638
Tensile Elongation (Break)	40	%	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	230	°C	ASTM D648
1.8 MPa, not annealed	90.0	°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	23	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.20		ASTM D150

Arc Resistance	190	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		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	260 - 280	°C	
Middle Temperature	270 - 280	°C	
Front Temperature	270 - 285	°C	
Nozzle Temperature	270 - 285	°C	
Processing (Melt) Temp	270 - 285	°C	
Mold Temperature	60.0 - 90.0	°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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