

# DESLON™ 66 DSC201HS

Polyamide 66

DESCO Co., Ltd.

## Message:

Descriptions: DESLON™ DSC201HS is one of the brands which made by Polyamide66 and unreinforced goods. It provides long term of thermal property, good lubrication, good fluidity property and good injection molding property.

Applications: DESLON™ DSC201HS is one of the most-used for long term of thermal property and mechanical property goods, such as automotive parts.

General Information			
Additive	Lubricant		
Features	Good thermal aging resistance		
	Good liquidity		
	Lubrication		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	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	82.4	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	230	°C	ASTM D648
1.8 MPa, not annealed	85.0	°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	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	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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### 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

