

# DESLON™ 66 DSC221AG10

Polyamide 66

DESCO Co., Ltd.

## Message:

Descriptions: DESLON™ DSC221AG10 is one of the brands which made by Polyamide66 that filled Glass Fiber/Mineral Filler 45% and reinforced goods. It provides good mechanical strength, good dimensions stability and good abrasion resistance property.

Applications: DESLON™ DSC221AG10 is one of the most-used resin requested for good mechanical strength, good dimensional stability and good abrasion resistance goods, such as Bushing of Automotive parts, etc.

General Information			
Filler / Reinforcement	Glass \mineral, 45% filler by weight		
Features	Good dimensional stability		
	High strength		
	Good wear resistance		
Uses	Bushing		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.80	%	
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	167	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	10800	MPa	ASTM D790
Flexural Strength	226	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	260	°C	ASTM D648
1.8 MPa, not annealed	255	°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	25	kV/mm	ASTM D149
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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