

Next Nylon 66 Prime Series PMGHS40-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass/Mineral Reinforced Heat stabilized Black compound
Product Applications
commonly used in Automotive industries to mould a large part such as rocker cover and Engine cover.
Benefits
Good combination Between thermal and Mechanical properties & low warpage.

General Information				
Filler / Reinforcement		Glass\Mineral,40% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
		Low Warpage		
Uses		Automotive Applications		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Appearance		Black		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.47	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.40	--	%	
Across Flow	0.95	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	1.5	--	%	
Saturation ¹	5.0	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
M-Scale	105	--		
R-Scale	120	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9000	6200	MPa	ASTM D638
Tensile Strength	140	95.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	5.0	%	ASTM D638
Flexural Modulus	8800	--	MPa	ASTM D790
Flexural Strength	210	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method

Notched Izod Impact (23°C)	59	88	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	255	--	°C	
1.8 MPa, Unannealed	240	--	°C	
Melting Temperature	262	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+16	--	ohms	IEC 60093
Volume Resistivity	1.0E+17	--	ohms·cm	IEC 60093
Electric Strength	28	--	kV/mm	IEC 60243-1
Comparative Tracking Index	> 450	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature - Hot Air Dryer	80.0		°C	
Drying Time	4.0 to 6.0		hr	
Suggested Max Moisture	0.20		%	
Rear Temperature	260 to 270		°C	
Middle Temperature	270 to 275		°C	
Front Temperature	275 to 280		°C	
Mold Temperature	85.0 to 95.0		°C	
NOTE				

1. Immersed

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