

Next Nylon 66 Prime Series PG30-01ABK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Black Compound
Product Applications
Generally recommended for switch components, Thermoset component, inlet & outlet pipes, valve bodies relay parts, engine mounts etc
Benefits
offering Excellent combination of thermal and Mechanical properties.

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 30% filler by weight		
Uses		Valve/valve components Piping system Switch		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS compliance		
Appearance		Black		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.36	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.29	--	%	ASTM D955
Transverse flow	0.75	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.8	--	%	ASTM D570
Saturation ¹	6.1	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
Class m	110	--		ASTM D785
Class r	125	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	185	140	MPa	ASTM D638
Tensile Elongation (Break)	4.0	6.0	%	ASTM D638
Flexural Modulus	9500	7600	MPa	ASTM D790
Flexural Strength	275	220	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	120	140	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method

Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	260	--	°C	ASTM D648
1.8 MPa, not annealed	253	--	°C	ASTM D648
Melting Temperature	262	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	--	ohms	IEC 60093
Volume Resistivity	1.0E+16	1.0E+16	ohms·cm	IEC 60093
Dielectric Strength	32	24	kV/mm	IEC 60243-1
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	HB	--		UL 94
Additional Information				

干燥
This grade is not suitable for food contact, medical devices or toy applications

Injection	Dry	Unit	
Drying Temperature - Hot Air Dryer	80.0	°C	
Drying Time	4.0 - 6.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	270 - 280	°C	
Middle Temperature	280 - 290	°C	
Front Temperature	290 - 300	°C	
Mold Temperature	65.0 - 85.0	°C	

NOTE

1. Immersed

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