Next Nylon 66 Prime Series PG33-01ABK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Black Compound
Product Applications
Generally recommended for Automotive industries, under the hood application manufacturer for component electric tools transport & building etc
Benefits
Excellent Balance with Mechanical & Thermal properties high creep resistance, and very good heat stability

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight			
Features	Good creep resistance Thermal stability, good			
Uses	Electrical components Construction hardware Parts under the hood of a car Application in Automobile Field			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS compliance			
Appearance	Black			
Processing Method	Injection molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.39	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.28	--	%	ASTM D955
Transverse flow	0.75	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.5	--	%	ASTM D570
Saturation [1]	5.8	--	%	ASTM D570
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	125	--		ASTM D785
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength	190	140	MPa	ASTM D638
Tensile Elongation (Break)	3.0	5.0	%	ASTM D638
Flexural Modulus	12500	9500	MPa	ASTM D790
Flexural Strength	280	210	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**

Notched Izod Impact				ASTM D256
-30°C	110	--	J/m	ASTM D256
23°C	140	190	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	256	--	°C	ASTM D648
Melting Temperature	262	--	°C	ASTM D2117
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	1.0E+14	--	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+15	ohms·cm	IEC 60093
Dielectric Strength	32	26	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			

Recommended distributors for this material

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