Next Nylon 66 Prime Series PGHS13-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Heat Stabilized Black Compound
Product Applications
Under bonnet Automotive parts such as various covers & industrial Application.
Benefits
Very good rigidity at high temperature.

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 13% filler by weight			
Additive	heat stabilizer			
Features	Rigidity, high Thermal Stability			
Uses	Industrial application Parts under the hood of a car			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS compliance			
Appearance	Black			
Processing Method	Injection molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.22	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.60	--	%	ASTM D955
Transverse flow	1.2	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	2.0	--	%	ASTM D570
Saturation [1]	7.1	--	%	ASTM D570
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				ASTM D785
Class m	85	--		ASTM D785
Class r	113	--		ASTM D785
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	5100	3900	MPa	ASTM D638
Tensile Strength	120	80.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	8.0	%	ASTM D638
Flexural Modulus	4800	3600	MPa	ASTM D790
Flexural Strength	165	--	MPa	ASTM D790

Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	59	98	J/m	ASTM D256
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	258	--	°C	ASTM D648
1.8 MPa, not annealed	242	--	°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	--	ohms·cm	IEC 60093
Dielectric Strength	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	260 - 270		°C	
Middle Temperature	270 - 280		°C	
Front Temperature	270 - 280		°C	
Mold Temperature	65.0 - 85.0		°C	
NOTE				
1.	Immersed			

Recommended distributors for this material

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