Next Nylon 66 Prime Series PGHS33-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Heat Stabilized Black Compound
Product Applications
Generally recommended for water containers for automotive cooling system, under the hood automotive parts, engine mounts etc
Benefits
offering Excellent strength, Stiffness, creep resistance, and dimensional stability with good heat resistant.

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight
Additive	heat stabilizer
Features	Good dimensional stability Rigidity, high High strength Good creep resistance Heat resistance, medium Thermal Stability
Uses	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	1.39	--	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	1.8	--	%	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	135	MPa	ASTM D638
Tensile Elongation (Break)	4.0	6.0	%	ASTM D638
Flexural Modulus	10500	8500	MPa	ASTM D790

Flexural Strength	245	210	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	130	180	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	26	24	kV/mm	IEC 60243-1
Comparative Tracking Index	650	--	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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China


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