Next Nylon 66 Prime Series PGHSLR30-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Heat stabilized & Hydrolysis resistant Black compound
Product Applications
Typical Application include automotive radiator mounting frame, header tanks cooling and heating radiator system etc
Benefits
Good chemical resistance, Fuel /oil resistance, grease resistance with high strength

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight			
Additive	heat stabilizer			
Features	High strength Good chemical resistance Fuel resistance Hydrolysis resistance Oil resistance Grease resistance Thermal Stability			
Uses	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	1.36	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.30	--	%	ASTM D955
Transverse flow	0.80	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.9	--	%	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	120	--		ASTM D785
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	9200	7200	MPa	ASTM D638
Tensile Strength	180	130	MPa	ASTM D638

Tensile Elongation (Break)	3.0	5.0	%	ASTM D638
Flexural Modulus	8300	--	MPa	ASTM D790
Flexural Strength	245	210	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	110	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+17	--	ohms	IEC 60093
Volume Resistivity	1.0E+17	--	ohms·cm	IEC 60093
Dielectric Strength	38	32	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
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	280 - 290		°C	
Mold Temperature	65.0 - 85.0		°C	
NOTE				
1.	Immersed			

Recommended distributors for this material

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