

Next Nylon 66 Prime Series PGHSLR30-01NC

Polyamide 66

Next Polymers Ltd.

Message:

Description

PA66 Glass Fiber Reinforced Heat stabilized & Hydrolysis resistant Natural 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		Natural color		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.36	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.30	--	%	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

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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

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