Next Nylon 66 Prime Series PG25-01NC

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Natural Compound
Product Applications
Typical Application include machinery component and housing such as inlet manifold, air duct, engine cover, filter ring, pulleys and wide variety of industries.
Benefits
High stiffness and dimensional stability

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight
Features	Good dimensional stability Rigid, good
Uses	Pulley Application in Automobile Field Shell
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	1.32	--	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	1.9	--	%	ASTM D570
Saturation [1]	6.0	--	%	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 Strength	170	120	MPa	ASTM D638
Tensile Elongation (Break)	4.0	6.0	%	ASTM D638
Flexural Modulus	7600	4600	MPa	ASTM D790
Flexural Strength	250	210	MPa	ASTM D790

Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	98	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	250	--	°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+17	--	ohms·cm	IEC 60093
Dielectric Strength	32	--	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	280 - 290		°C	
Mold Temperature	65.0 - 85.0		°C	
NOTE				
1.	Immersed			

Recommended distributors for this material

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