Next Nylon 66 Prime Series PG50-01NC

Polyamide 66

Next Polymers Ltd.

Message:

Description PA66 Glass Fiber Reinforced Natural Compound Product Applications Typical Applications include Industrial articles having very high rigidity Benefits Where a balance of continuous heat and peak temperature property retention is needed.

Features R Uses In Agency Ratings E RoHS Compliance R Appearance N	Natural color	filler by weight					
UsesInAgency RatingsERoHS ComplianceRAppearanceNProcessing MethodInPhysicalDrySpecific Gravity1.57Molding ShrinkageFlowFlow0.30Transverse flow0.82	Heat resistance, high Industrial application C 1907/2006 (REACH) RoHS compliance Natural color						
UsesInAgency RatingsERoHS ComplianceRAppearanceNProcessing MethodInPhysicalDrySpecific Gravity1.57Molding ShrinkageFlowFlow0.30Transverse flow0.82	ndustrial application C 1907/2006 (REACH) RoHS compliance Natural color						
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RoHS ComplianceRAppearanceNProcessing MethodInPhysicalDrySpecific Gravity1.57Molding ShrinkageFlowFlow0.30Transverse flow0.82	RoHS compliance Natural color						
AppearanceNProcessing MethodInPhysicalDrySpecific Gravity1.57Molding ShrinkageInFlow0.30Transverse flow0.82	Natural color						
Processing Method In Physical Dry Specific Gravity 1.57 Molding Shrinkage Flow Flow 0.30 Transverse flow 0.82			RoHS compliance				
PhysicalDrySpecific Gravity1.57Molding Shrinkage	njection molding		Natural color				
Specific Gravity1.57Molding ShrinkageFlow0.30Transverse flow0.82		Injection molding					
Molding Shrinkage Flow 0.30 Transverse flow 0.82	Conditioned	Unit	Test Method				
Flow0.30Transverse flow0.82		g/cm³	ASTM D792				
Transverse flow 0.82			ASTM D955				
		%	ASTM D955				
Water Absorption		%	ASTM D955				
			ASTM D570				
23°C, 24 hr 0.65		%	ASTM D570				
Saturation ¹ 4.3		%	ASTM D570				
Hardness Dry	Conditioned	Unit	Test Method				
Rockwell Hardness			ASTM D785				
Class m 110			ASTM D785				
Class r 130			ASTM D785				
Mechanical Dry	Conditioned	Unit	Test Method				
Tensile Strength 240	175	MPa	ASTM D638				
Tensile Elongation (Break) 3.0	4.0	%	ASTM D638				
Flexural Modulus 13800	10500	МРа	ASTM D790				
Flexural Strength 305	260	MPa	ASTM D790				
Impact Dry	Conditioned	Unit	Test Method				
Notched Izod Impact (23°C) 170	190	J/m	ASTM D256				
Thermal Dry	130	-,					

Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	260		°C	ASTM D648
1.8 MPa, not annealed	255		°C	ASTM D648
Melting Temperature	262		°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+9		ohms	IEC 60093
Volume Resistivity	> 1.0E+12		ohms·cm	IEC 60093
Dielectric Strength	35		kV/mm	IEC 60243-1
Comparative Tracking				
Index	600		V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	НВ			UL 94
Additional Information				
干燥 This grade is not suitable fo	r 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			

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