

Next Nylon 66 Prime Series PG33-01NC

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Natural Compound
Product Applications
Generally recommended for switch components, valve bodies relay parts, under the hood automotive parts, engine mounts etc
Benefits
Offering Excellent strength, Stiffness, creep resistance, and dimensional stability

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 33% filler by weight		
Features		Good dimensional stability		
		Rigidity, high		
		High strength		
		Good creep resistance		
Uses		Valve/valve components		
		Parts under the hood of a car		
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	1.39	--	g/cm ³	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	180	135	MPa	ASTM D638
Tensile Elongation (Break)	4.0	6.0	%	ASTM D638
Flexural Modulus	12500	9500	MPa	ASTM D790
Flexural Strength	260	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			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT