

Next Nylon 66 Prime Series PG15-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Black Compound
Product Applications
Typically Application include medium stiffness machinery component and housing.
Benefits
Good combination Between Mechanical and thermal properties.

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight			
Features	Rigid, good			
Uses	Shell			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS compliance			
Appearance	Black			
Processing Method	Injection molding			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.24	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.60	--	%	ASTM D955
Transverse flow	1.1	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.8	--	%	ASTM D570
Saturation ¹	7.2	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
Class m	100	--		ASTM D785
Class r	120	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5100	3200	MPa	ASTM D638
Tensile Strength	120	85.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	7.0	%	ASTM D638
Flexural Modulus	4800	--	MPa	ASTM D790
Flexural Strength	165	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	59	98	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method

Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	258	--	°C	ASTM D648
1.8 MPa, not annealed	246	--	°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+16	--	ohms·cm	IEC 60093
Dielectric Strength	24	--	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	270 - 280	°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