

Kuraray Genestar®, GW1458HF Nylon, 45% Glass Filled

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Low Warpage, High Flow HB grade. Halogen free, following the standards that Br is less than 900ppm, Cl is less than 900ppm, and total of halogen amount (Br and Cl) is less than 1500ppm.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-Genestar-GW1458HF-Nylon-45-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	
Water Absorption	1.1 %	1.1 %	
Linear Mold Shrinkage, Flow	0.00050 cm/cm	0.00050 in/in	
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	
Melt Flow	90 g/10 min @Load 2.16 kg, Temperature 320 Â°C	90 g/10 min @Load 4.76 lb, Temperature 608 Â°F	ASTM D1238
Spiral Flow	6.20 cm @Load 750 kg, Temperature 320 Â°C	2.44 in @Load 1650 lb, Temperature 608 Â°F	0.5mm diameter

Mechanical Properties	Metric	English	Comments
Tensile Strength	32.0 MPa	4640 psi	Weld; ASTM D638
	150 MPa	21800 psi	ASTM D638
Elongation at Yield	0.40 %	0.40 %	Weld; ASTM D638
	3.1 %	3.1 %	ASTM D638
Flexural Strength	207 MPa	30000 psi	ASTM D790
Flexural Modulus	13.0 GPa	1890 ksi	ASTM D790
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	306 Â°C	583 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	290 Â°C	554 Â°F	ASTM D648
Glass Transition Temp, Tg			

Thermal Properties	125 Å°C Metric	257 Å°F English	Comments
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	30.0 kV/mm	762 kV/in	ASTM D149
Comparative Tracking Index	>= 600 V	>= 600 V	ASTM UL746A

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China