

Beijing Evergrow Resources Glass Filled Nylon

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Information provided by Beijing Evergrow Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Beijing-Evergrow-Resources-Glass-Filled-Nylon.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	GB1033

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85 - 90	85 - 90	GB3398
Ball Indentation Hardness	175 MPa	25400 psi	GB3398
Tensile Strength at Break	130 - 150 MPa	18900 - 21800 psi	GB/T 1040
Elongation at Yield	<= 20 %	<= 20 %	GB/T 1040
Modulus of Elasticity	6.90 GPa	1000 ksi	GB/T 1040
Flexural Strength	150 MPa	21800 psi	GB9341
Compressive Strength	110 - 130 MPa	16000 - 18900 psi	GB/T 1040
Izod Impact, Notched (ISO)	5.50 kJ/m ²	2.62 ft-lb/in ²	GBT1043
Coefficient of Friction	0.45	0.45	GB3360

Thermal Properties	Metric	English	Comments
CTE, linear	25.0 μm/m-°C	13.9 μin/in-°F	GB1036
Melting Point	260 °C	500 °F	HG/T2235
Heat Distortion Temperature	150 °C	302 °F	GB1634

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	Volume; GB1410
Arc Resistance	475 sec	475 sec	ASTM D112

Processing Properties	Metric	English	Comments
Moisture Content	1.65 - 1.83 %	1.65 - 1.83 %	in air

Processing Properties	3.5-4.1% Metric	3.5-4.1% English	in water Comments
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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