

Vyncolit X659 Glass, Mineral and Graphite Filled Novolac Phenolic

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Mineral/Glass Filled , Phenolic, Novolac, Mineral/Graphite Filled

Material Notes:

Novolac resin based, glass fiber, mineral and graphite filled. Grade with superior stiffness, high dimensional stability and excellent tribological properties. Good chemical resistance against several fuels at elevated temperatures. Used for fuel pump housings. Information provided by Sumitomo Bakelite North America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vyncolit-X659-Glass-Mineral-and-Graphite-Filled-Novolac-Phenolic.php

Physical Properties	Metric	English	Comments
Bulk Density	1.00 g/cc	0.0361 lb/in ³	ISO 60
Density	2.06 g/cc	0.0744 lb/in ³	ISO 1183
Water Absorption	0.040 %	0.040 %	ISO 62
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	89.0 MPa	12900 psi	ISO 527-1
Elongation at Break	0.35 %	0.35 %	ISO 527-1
Tensile Modulus	29.0 GPa	4210 ksi	ISO 527-1
Flexural Strength	163 MPa	23600 psi	ISO 178
Flexural Modulus	26.0 GPa	3770 ksi	ISO 178
Compressive Strength	269 MPa	39000 psi	ISO 604
Charpy Impact Unnotched	0.960 J/cm ²	4.57 ft-lb/in ²	ISO 179-1
Charpy Impact, Notched	0.260 J/cm ²	1.24 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	14.0 µm/m-°C	7.78 µin/in-°F	TMA
CTE, linear, Transverse to Flow	30.0 µm/m-°C	16.7 µin/in-°F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	>= 222 °C	>= 432 °F	ISO 75 Af
Shrinkage	0.010 %	0.010 %	Post Shrinkage; ISO 2577

Descriptive Properties	Value	Comments
Color	Black	
Molding Method	Compression	
	Injection	
	Transfer	

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