

Vyncolit A2710 Glass Fiber Reinforced Novolac Phenolic

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

Material Notes:

Vyncolit® A2710 is a glass fiber reinforced phenolic molding compound with excellent mechanical and thermal properties. Information provided by Sumitomo Bakelite North America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vyncolit-A2710-Glass-Fiber-Reinforced-Novolac-Phenolic.php

Physical Properties	Metric	English	Comments
Bulk Density	0.660 g/cc	0.0238 lb/in ³	ISO 60
Density	1.58 g/cc	0.0571 lb/in ³	ISO 1183
Water Absorption	1.81 %	1.81 %	ISO 62
Linear Mold Shrinkage	0.0041 cm/cm	0.0041 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	57.0 MPa	8270 psi	ISO 527-1
Elongation at Break	0.57 %	0.57 %	ISO 527-1
Tensile Modulus	11.0 GPa	1600 ksi	ISO 527-1
Flexural Strength	168 MPa	24400 psi	ISO 178
Flexural Modulus	11.0 GPa	1600 ksi	ISO 178
Compressive Strength	242 MPa	35100 psi	ISO 604
Charpy Impact Unnotched	1.17 J/cm ²	5.57 ft-lb/in ²	ISO 179-1
Charpy Impact, Notched	0.290 J/cm ²	1.38 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	20.0 µm/m-°C	11.1 µin/in-°F	TMA
CTE, linear, Transverse to Flow	52.0 µm/m-°C	28.9 µin/in-°F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	>= 213 °C	>= 415 °F	ISO 75 Af
Shrinkage	0.11 %	0.11 %	Post Shrinkage; ISO 2577

Descriptive Properties	Value	Comments
Color	Black	

Descriptive Properties	Value	Comments
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