

Vyncolit Neopreg Kinel® SK60 L8G Glass Fiber Reinforced Molding Compound

Category : Polymer , Thermoset , Epoxy , Epoxy Molding Compound , Filled/Reinforced Thermoset

Material Notes:

High flow, epoxy based molding compound long glass fiber reinforced with excellent long term property retention over a wide temperature range and climate conditions. It is particularly suited for over molding. Information provided by Sumitomo Bakelite North America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vyncolit-Neopreg-Kinel-SK60-L8G-Glass-Fiber-Reinforced-Molding-Compound.php

Physical Properties	Metric	English	Comments
Bulk Density	0.500 g/cc	0.0181 lb/in ³	ISO 60
Density	1.80 g/cc	0.0650 lb/in ³	ISO 1183
Water Absorption	0.060 %	0.060 %	ISO 62
Linear Mold Shrinkage	0.0014 cm/cm	0.0014 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	96.0 MPa	13900 psi	ISO 527-1
Elongation at Break	0.60 %	0.60 %	ISO 527-1
Tensile Modulus	17.0 GPa	2470 ksi	ISO 527-1
Flexural Strength	204 MPa	29600 psi	ISO 178
Flexural Modulus	15.0 GPa	2180 ksi	ISO 178
Compressive Strength	232 MPa	33600 psi	ISO 604
Charpy Impact, Notched	4.60 J/cm ²	21.9 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	5.70 μm/m-°C	3.17 μin/in-°F	TMA
CTE, linear, Transverse to Flow	69.0 μm/m-°C	38.3 μin/in-°F	TMA
Glass Transition Temp, Tg	165 °C	329 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	28.0 kV/mm	711 kV/in	IEC 60243-1
Comparative Tracking Index	600 V	600 V	IEC 60250

Descriptive Properties	Value	Comments
Color	Dark Grey	
Molding Method	Compression	
	Injection	
	Transfer	

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