

Vyncolit Neopreg Kinel® SK61 L5G Glass Fiber Reinforced Molding Compound

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

Material Notes:

Epoxy based molding compound long glass fiber reinforced with excellent long term property retention over a wide temperature range and climate conditions. It is particular 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-SK61-L5G-Glass-Fiber-Reinforced-Molding-Compound.php

Physical Properties	Metric	English	Comments
Bulk Density	0.650 g/cc	0.0235 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	0.0015 cm/cm	0.0015 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ISO 527-1
Elongation at Break	0.80 %	0.80 %	ISO 527-1
Tensile Modulus	18.0 GPa	2610 ksi	ISO 527-1
Flexural Strength	215 MPa	31200 psi	ISO 178
Flexural Modulus	16.0 GPa	2320 ksi	ISO 178
Compressive Strength	248 MPa	36000 psi	ISO 604
Charpy Impact, Notched	5.10 J/cm ²	24.3 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	9.60 μm/m-°C	5.33 μin/in-°F	TMA
CTE, linear, Transverse to Flow	53.0 μm/m-°C	29.4 μin/in-°F	TMA
Glass Transition Temp, Tg	150 °C	302 °F	
Shrinkage	-0.0200 %	-0.0200 %	Post Shrinkage; ISO 2577

Electrical Properties	Metric	English	Comments
Dielectric Strength	30.0 kV/mm	762 kV/in	IEC 60243-1
Comparative Tracking Index	600 V	600 V	IEC 60250

Electrical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		Dark Grey	
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