

Vyncolit Neopreg Kinel® SK4503 S5 Aramid Reinforced Molding Compound

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

Material Notes:

Long aramid fiber reinforced BMI molding compound suited for very demanding tribologic applications under medium to poor lubricated conditions, high temperatures & PV levels. Information provided by Sumitomo Bakelite North America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vyncolit-Neopreg-Kinel-SK4503-S5-Aramid-Reinforced-Molding-Compound.php

Physical Properties	Metric	English	Comments
Bulk Density	0.600 g/cc	0.0217 lb/in ³	ISO 60
Density	1.39 g/cc	0.0502 lb/in ³	ISO 1183
Water Absorption	0.60 %	0.60 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	ISO 527-1
Elongation at Break	0.60 %	0.60 %	ISO 527-1
Tensile Modulus	16.0 GPa	2320 ksi	ISO 527-1
Flexural Strength	136 MPa	19700 psi	ISO 178
Flexural Modulus	11.0 GPa	1600 ksi	ISO 178
Compressive Strength	132 MPa	19100 psi	ISO 604
Charpy Impact, Notched	2.40 J/cm ²	11.4 ft-lb/in ²	ISO 179-1

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	275 °C	527 °F	

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

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