

Vyncolit Vyntec® CF8050 Carbon Fiber Reinforced Phenolic

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Carbon Fiber Composite

Material Notes:

VYNTEC® CF8030 is a carbon fiber reinforced phenolic moldable composite with excellent tribological properties. It has high mechanical strength combined with low density. Information provided by Sumitomo Bakelite North America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vyncolit-Vyntec-CF8050-Carbon-Fiber-Reinforced-Phenolic.php

Physical Properties	Metric	English	Comments
Bulk Density	0.570 g/cc	0.0206 lb/in ³	ISO 60
Density	1.44 g/cc	0.0520 lb/in ³	ISO 1183
Water Absorption	0.080 %	0.080 %	ISO 62
Linear Mold Shrinkage	0.00010 cm/cm	0.00010 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	127 MPa	18400 psi	ISO 527-1
Flexural Strength	333 MPa	48300 psi	ISO 178
Flexural Modulus	29.0 GPa	4210 ksi	ISO 178
Compressive Strength	359 MPa	52100 psi	ISO 604
Charpy Impact Unnotched	1.66 J/cm ²	7.90 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
Shrinkage	0.020 %	0.020 %	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