

Brandenburger BL 20/1 GG EP Rotor Blade Material

Category : Polymer , Thermoset , Filled/Reinforced Thermoset

Material Notes:

BL 20/1 GG EP is a composite bearing material that combines the crucial parameters for rotary blades. These include compressive stability at high temperatures, impact strength, low swelling and low coefficient of friction and expansion in conjunction with excellent wear characteristics. Information provided by Brandenburger Isoliertechnik GmbH&Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Brandenburger-BL-201-GG-EP-Rotor-Blade-Material.php

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in ³	
Water Absorption	0.20 %	0.20 %	24 hrs; DIN 53 495

Mechanical Properties	Metric	English	Comments
Compressive Strength	300 MPa	43500 psi	EN ISO 604
Charpy Impact, Notched	1.60 J/cm ²	7.61 ft-lb/in ²	EN ISO 179
Coefficient of Friction, Dynamic	0.12	0.12	Dry, Sliding

Thermal Properties	Metric	English	Comments
CTE, linear	14.0 µm/m-°C	7.78 µin/in-°F	DIN 53 752
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	220 °C	428 °F	Long Term

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