

Bulk Molding Compounds BMC 620X Mineral Filled, Glass Fiber Reinforced Polyester Compound

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass and Mineral Filled BMC

Material Notes:

BMC 620X molding compound is a mineral filled, glass fiber-reinforced polyester compound suitable for compression, transfer and stuffer injection molding. It is a high impact material produced in extruded form for ease of handling. Other characteristics are good moldability, excellent overall electrical properties and flame resistance. Typical applications include brush holders circuit breaker housings and welding gun handles.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-620X-Mineral-Filled-Glass-Fiber-Reinforced-Polyester-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.79 g/cc	1.79 g/cc	
Water Absorption	0.19 %	0.19 %	24 hours, 23°C
Linear Mold Shrinkage	0.0025 - 0.00345 cm/cm	0.0025 - 0.00345 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	25 - 35	25 - 35	
Tensile Strength, Ultimate	48.3 - 62.1 MPa	7000 - 9000 psi	
Flexural Strength	131 - 159 MPa	19000 - 23000 psi	
Compressive Strength	152 - 179 MPa	22000 - 26000 psi	
Izod Impact, Notched	2.67 - 3.74 J/cm	5.00 - 7.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	V-0	V-0	
	@Thickness 6.35 mm	@Thickness 0.250 in	
	V-0	V-0	
	@Thickness 3.17 mm	@Thickness 0.125 in	
	V-0	V-0	
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	5.4	5.4	
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	14.8 kV/mm	375 kV/in	Short Time
Dissipation Factor	0.020	0.020	
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	190 sec	190 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

Processing Properties	Metric	English	Comments
Mold Temperature	138 - 166 °C	280 - 330 °F	

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