

Bulk Molding Compounds BMC 600 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 600 molding compound is a mineral filled glass-fiber-reinforced polyester compound suitable for compression, transfer and stuffer injection molding. It is a general purpose material with medium impact strength and good overall electrical properties. Typical applications include slip rings, commutators and brush holders.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-600-Mineral-Filled-Glass-Fiber-Reinforced-Polyester-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.02 g/cc	2.02 g/cc	
Water Absorption	0.13 %	0.13 %	24 hours, 23°C
Linear Mold Shrinkage	0.0025 - 0.0040 cm/cm	0.0025 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40 - 50	40 - 50	
Tensile Strength, Ultimate	34.5 - 48.3 MPa	5000 - 7000 psi	
Flexural Strength	110 - 138 MPa	16000 - 20000 psi	
Compressive Strength	152 - 179 MPa	22000 - 26000 psi	
Izod Impact, Notched	1.07 - 2.14 J/cm	2.00 - 4.00 ft-lb/in	

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

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Electrical Properties	Metric	English	Comments
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	13.0 kV/mm	330 kV/in	Short Time
Dissipation Factor	0.0070	0.0070	
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	>= 180 sec	>= 180 sec	
Comparative Tracking Index	>= 600 V	>= 600 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