

Bulk Molding Compounds BMC 1403 Electrical Grade

Category : Polymer , Thermoset , Polyester, TS

Material Notes:

BMC 1403 is one of the most useful general-purpose electrical grade materials available on the market. Competitive against phenolic, melamine, and urea materials for electrical applications. Easy molding in compression, transfer and injection processes. Stable shelf life.

UL® recognized. This material was formerly known as Glastic® 1403.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-1403-Electrical-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.91 - 1.97 g/cc	1.91 - 1.97 g/cc	
Water Absorption	0.12 - 0.16 %	0.12 - 0.16 %	24 hours, 23°C
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40 - 50	40 - 50	
Tensile Strength, Ultimate	34.5 - 41.4 MPa	5000 - 6000 psi	
Flexural Strength	100 - 114 MPa	14500 - 16500 psi	
Flexural Modulus	11.7 - 13.1 GPa	1700 - 1900 ksi	
Compressive Strength	145 - 159 MPa	21000 - 23000 psi	
Izod Impact, Notched	1.60 - 2.14 J/cm	3.00 - 4.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Strength	17.2 kV/mm	438 kV/in	Short Time
Dissipation Factor	0.026	0.026	Condition A
	@Frequency 60 Hz	@Frequency 60 Hz	
	0.058	0.058	Condition D
	@Frequency 60 Hz	@Frequency 60 Hz	

Electrical Properties	0.078 Metric	0.078 English	Comments
	@Frequency 60 Hz	@Frequency 60 Hz	
	0.119	0.119	Condition D
	@Frequency 60 Hz	@Frequency 60 Hz	
Arc Resistance	199 sec	199 sec	

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