

Bulk Molding Compounds BMC T40-4020-AQ High Strength Arc Quenching Molding Compound

Category : Polymer , Thermoset , Polyester , TS , Polyester (Thermoset) - Rigid

Material Notes:

BMC T40-4020-AQ was formulated as a high strength arc quenching material for electrical applications. Typical applications are arc hoods and electrical contactors. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T40-4020-AQ-High-Strength-Arc-Quenching-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.80 - 1.90 g/cc	0.0650 - 0.0686 lb/in ³	Molded
Linear Mold Shrinkage	0.0025 - 0.0035 cm/cm	0.0025 - 0.0035 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 40	30 - 40	
Tensile Strength	68.9 - 82.7 MPa	10000 - 12000 psi	
Flexural Strength	138 - 172 MPa	20000 - 25000 psi	
Flexural Modulus	11.7 - 13.1 GPa	1700 - 1900 ksi	
Compressive Strength	103 - 138 MPa	15000 - 20000 psi	
Izod Impact, Notched	4.81 - 5.87 J/cm	9.00 - 11.0 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	13.2 - 15.2 kV/mm	335 - 385 kV/in	short time
Arc Resistance	>= 190 sec	>= 190 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

Processing Properties	Metric	English	Comments
Processing 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