

Bulk Molding Compounds BMC T12-17394 General Purpose Molding Compound

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

Material Notes:

BMC T12-17394 is a general purpose molding compound. Due to the excellent flow and controlled reactivity, BMC T12 is well suited for injection, transfer or compression molding of intricate parts. Typical applications are circuit breakers, insulators, bobbins and electrical connectors. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T12-17394-General-Purpose-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	0.0015 - 0.0025 cm/cm	0.0015 - 0.0025 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 40	30 - 40	
Tensile Strength	55.2 - 68.9 MPa	8000 - 10000 psi	
Flexural Strength	124 - 138 MPa	18000 - 20000 psi	
Flexural Modulus	10.3 - 11.7 GPa	1500 - 1700 ksi	
Compressive Strength	110 - 138 MPa	16000 - 20000 psi	
Izod Impact, Notched	3.20 - 4.27 J/cm	6.00 - 8.00 ft-lb/in	

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	14.6 - 15.7 kV/mm	370 - 400 kV/in	short time
Arc Resistance	>= 150 sec	>= 150 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

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

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