

Bulk Molding Compounds BMC T12-15526 General Purpose Molding Compound

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

Material Notes:

BMC T12-15526 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-T12-15526-General-Purpose-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.90 - 2.10 g/cc	0.0686 - 0.0759 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	48.3 - 62.1 MPa	7000 - 9000 psi	
Flexural Strength	110 - 124 MPa	16000 - 18000 psi	
Flexural Modulus	12.4 - 13.8 GPa	1800 - 2000 ksi	
Compressive Strength	96.5 - 124 MPa	14000 - 18000 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	HB	HB	Product is not UL listed.

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.8 - 15.0 kV/mm	350 - 380 kV/in	short time
Arc Resistance	>= 183 sec	>= 183 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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