

Bulk Molding Compounds BMC T15(GPS) General Purpose Molding Compound

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

Material Notes:

BMC T15(GPS) is a high strength, low shrink general purpose molding compound. Due to the excellent flow and controlled reactivity, BMC T15(GPS) 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-T15GPS-General-Purpose-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.79 - 1.99 g/cc	0.0647 - 0.0719 lb/in ³	Molded
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 35	30 - 35	
Tensile Strength	37.9 - 51.7 MPa	5500 - 7500 psi	
Flexural Strength	165 - 193 MPa	24000 - 28000 psi	
Flexural Modulus	11.7 - 13.1 GPa	1700 - 1900 ksi	
Compressive Strength	110 - 138 MPa	16000 - 20000 psi	
Izod Impact, Notched	4.16 - 5.23 J/cm	7.80 - 9.80 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	13.8 - 15.7 kV/mm	350 - 400 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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