

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

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

Material Notes:

BMC T15(GP) is a high strength, low shrink general purpose molding compound. Due to the excellent flow and controlled reactivity, BMC T15(GP) is well suited for a variety of applications. It is available in all colors and is UL listed. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T15GP-General-Purpose-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.83 - 2.03 g/cc	0.0661 - 0.0733 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	45 - 50	45 - 50	
Tensile Strength	58.6 - 72.4 MPa	8500 - 10500 psi	
Flexural Strength	117 - 145 MPa	17000 - 21000 psi	
Flexural Modulus	11.7 - 12.4 GPa	1700 - 1800 ksi	
Compressive Strength	128 - 156 MPa	18600 - 22600 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	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	>= 185 sec	>= 185 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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