

## Bulk Molding Compounds BMC T40(20) Die Casting Replacement Grade Molding Compound

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

### Material Notes:

BMC T40(20) was formulated as a direct replacement for aluminum die casting applications. T40(20) is UL recognized. Excellent mechanical properties and dimensional control allow molded parts to maintain machined tolerances. Typical applications are fractional H.P. motor end bases, motor housings and electrical parts. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-T4020-Die-Casting-Replacement-Grade-Molding-Compound.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T4020-Die-Casting-Replacement-Grade-Molding-Compound.php)

Physical Properties	Metric	English	Comments
Density	1.68 - 1.88 g/cc	0.0607 - 0.0679 lb/in <sup>3</sup>	Molded
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	50 - 60	50 - 60	
Tensile Strength	68.9 - 82.7 MPa	10000 - 12000 psi	
Flexural Strength	129 - 157 MPa	18700 - 22700 psi	
Flexural Modulus	9.65 - 11.0 GPa	1400 - 1600 ksi	
Compressive Strength	133 - 161 MPa	19300 - 23300 psi	
Izod Impact, Notched	5.87 - 6.94 J/cm	11.0 - 13.0 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	UL 94 V0/UL 94 5V

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	

Processing Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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