

## Bulk Molding Compounds BMC T15(F) High Strength Grade Molding Compound

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

**Material Notes:**

BMC T15F is a high strength, low shrink general purpose molding compound. Due to the excellent flow and controlled reactivity, BMC T15F 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-T15F-High-Strength-Grade-Molding-Compound.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T15F-High-Strength-Grade-Molding-Compound.php)

Physical Properties	Metric	English	Comments
Density	1.85 - 2.05 g/cc	0.0668 - 0.0741 lb/in <sup>3</sup>	Molded
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 40	30 - 40	
Tensile Strength	52.4 - 66.2 MPa	7600 - 9600 psi	
Flexural Strength	103 - 131 MPa	15000 - 19000 psi	
Flexural Modulus	7.58 - 8.96 GPa	1100 - 1300 ksi	
Compressive Strength	124 - 152 MPa	18000 - 22000 psi	
Izod Impact, Notched	3.04 - 4.11 J/cm	5.70 - 7.70 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	15.3 - 17.3 kV/mm	389 - 439 kV/in	short time
Arc Resistance	>= 187 sec	>= 187 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

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

## **Contact Songhan Plastic Technology Co.,Ltd.**

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