

## Bulk Molding Compounds BMC T45HT Automotive Grade Molding compound

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

### Material Notes:

BMC T45HT was designed for the very demanding applications of automotive under hood engine covers. It meets the GMP UP .007 specification for automotive under hood. BMC T45HT is a vinyl ester based molding compound that has exceptional physical properties along with excellent corrosion and heat resistance. Typical uses are valve covers, rocker arm covers and timing chain covers. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-T45HT-Automotive-Grade-Molding-compound.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T45HT-Automotive-Grade-Molding-compound.php)

Physical Properties	Metric	English	Comments
Density	1.69 - 1.89 g/cc	0.0611 - 0.0683 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	77.9 - 91.7 MPa	11300 - 13300 psi	
Flexural Strength	168 - 195 MPa	24300 - 28300 psi	
Flexural Modulus	13.8 - 15.2 GPa	2000 - 2200 ksi	
Compressive Strength	186 - 214 MPa	27000 - 31000 psi	
Izod Impact, Notched	6.78 - 7.85 J/cm	12.7 - 14.7 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	218 - 260 °C	425 - 500 °F	
Flammability, UL94	HB	HB	This product is not currently UL listed.

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.8 - 15.7 kV/mm	350 - 400 kV/in	short time
Arc Resistance	180 sec	180 sec	

Processing Properties	Metric	English	Comments
Processing Temperature	143 - 171 °C	290 - 340 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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