

## Bulk Molding Compounds BMC 304 Automotive Grade Molding Compound

Category : Polymer , Thermoset , Polyester , TS , Thermoset Polyester Glass Filled BMC

**Material Notes:**

BMC 304 is a low profile, automotive grade molding compound that is suitable for Injection, Compression or Transfer molding operations. BMC 304 can be coated using traditional or electrostatic coating systems and demonstrates excellent adhesion characteristics. BMC 304 can be supplied in logs, slugs or bulk form. Typical applications include Automotive Headlamp and Foglamp Reflectors, and Automotive Body Panels.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-304-Automotive-Grade-Molding-Compound.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-304-Automotive-Grade-Molding-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 - 2.05 g/cc	1.75 - 2.05 g/cc	
Filler Content	10 - 25 %	10 - 25 %	
Water Absorption	0.10 - 0.30 %	0.10 - 0.30 %	24 hours, 23°C
Linear Mold Shrinkage	0.00 - 0.0010 cm/cm	0.00 - 0.0010 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40 - 60	40 - 60	
Tensile Strength, Ultimate	34.5 - 62.1 MPa	5000 - 9000 psi	
Flexural Strength	68.9 - 152 MPa	10000 - 22000 psi	
Flexural Modulus	10.3 - 15.2 GPa	1500 - 2200 ksi	
Compressive Strength	110 - 152 MPa	16000 - 22000 psi	
Izod Impact, Notched	1.07 - 4.81 J/cm	2.00 - 9.00 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	

Processing Properties	Metric	English	Comments
Mold Temperature	149 - 177 °C	300 - 350 °F	

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