

Bulk Molding Compounds BMC 324 Automotive Grade Molding Compound

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

Material Notes:

BMC 324 is a low profile, automotive grade molding compound that is suitable for Injection, Compression or Transfer molding operations.

BMC 324 can be metallized directly, without an initial base-coat. BMC 324 can be supplied in logs, slugs or bulk form. Typical applications include Automotive Headlamp and Foglamp Reflectors.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-324-Automotive-Grade-Molding-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 - 2.00 g/cc	1.80 - 2.00 g/cc	
Water Absorption	0.10 - 0.30 %	0.10 - 0.30 %	24 hours, 23°C
Linear Mold Shrinkage	0.00 - 0.0020 cm/cm	0.00 - 0.0020 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40 - 60	40 - 60	
Tensile Strength, Ultimate	27.6 - 55.2 MPa	4000 - 8000 psi	
Flexural Strength	82.7 - 124 MPa	12000 - 18000 psi	
Flexural Modulus	7.58 - 13.1 GPa	1100 - 1900 ksi	
Compressive Strength	110 - 138 MPa	16000 - 20000 psi	
Izod Impact, Notched	1.07 - 3.74 J/cm	2.00 - 7.00 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	171 - 193 °C	340 - 380 °F	

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