

Bulk Molding Compounds BMC 1605 Low Shrink, Medium Strength

Category : Polymer , Thermoset , Polyester, TS

Material Notes:

BMC 1605 is an excellent low-cost HB material with low shrink and medium strength. Has excellent surface finish and gloss. Can be injection, compression or transfer molded. UL® recognized. This material was formerly known as Glastic® 1605.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-1605-Low-Shrink-Medium-Strength.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.91 - 1.97 g/cc	1.91 - 1.97 g/cc	
Water Absorption	0.22 - 0.28 %	0.22 - 0.28 %	24 hours, 23°C
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40 - 50	40 - 50	
Tensile Strength, Ultimate	48.3 - 58.6 MPa	7000 - 8500 psi	
Flexural Strength	131 - 159 MPa	19000 - 23000 psi	
Flexural Modulus	11.7 - 13.1 GPa	1700 - 1900 ksi	
Compressive Strength	131 - 138 MPa	19000 - 20000 psi	
Izod Impact, Notched	3.74 - 4.27 J/cm	7.00 - 8.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Strength	16.9 kV/mm	430 kV/in	perp
Arc Resistance	181 sec	181 sec	

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

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