

BMC 8005

Thermoset Polyester
Bulk Molding Compounds, Inc.

Message:

BMC 8005 is a Thermoset Polyester product. It can be processed by compression molding and is available in North America. Primary characteristic: flame rated.

| General Information | | | |
|---|-----------------------------|-------------------|-------------|
| Forms | BMC - Bulk Molding Compound | | |
| Processing Method | Compression Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 2.02 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (Compression Molded) | 0.10 | % | ASTM D955 |
| Water Absorption (23°C, 24 hr) | 0.16 | % | ASTM D570 |
| Hardness | Nominal Value | Unit | Test Method |
| Barcol Hardness | 58 | | ASTM D2583 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, Compression Molded) | 55.2 | MPa | ASTM D638 |
| Flexural Strength (Compression Molded) | 155 | MPa | ASTM D790 |
| Compressive Strength | 190 | MPa | ASTM D695 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (Compression Molded) | 270 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, Compression Molded) | 260 | °C | ASTM D648 |
| Electrical | Nominal Value | Unit | Test Method |
| Dielectric Strength | 16 | kV/mm | ASTM D149 |
| Arc Resistance | 180 | sec | ASTM D495 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (1.59 mm) | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Mold Temperature | 138 to 166 | °C | |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

