

BMC 902

Thermoset Polyester
Bulk Molding Compounds, Inc.

Message:

BMC 902 is a Thermoset Polyester product filled with glass fiber. It can be processed by encapsulating and is available in North America. Typical application: Housings. Primary characteristic: flame rated.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber | | |
| Uses | Electric Motor Housings | | |
| Appearance | Colors Available | | |
| | Natural Color | | |
| Forms | Pellets | | |
| Processing Method | Encapsulating | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.84 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.10 to 0.20 | % | ASTM D955 |
| Water Absorption (24 hr) | 0.070 | % | ASTM D570 |
| Hardness | Nominal Value | Unit | Test Method |
| Barcol Hardness | 30 | | ASTM D2583 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 20.7 | MPa | ASTM D638 |
| Flexural Modulus | 6890 | MPa | ASTM D790 |
| Flexural Strength (Yield) | 68.9 | MPa | ASTM D790 |
| Compressive Strength | 110 | MPa | ASTM D695 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 53 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 204 | °C | ASTM D648 |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity | 1.5E+14 | ohms · cm | ASTM D257 |
| Dielectric Strength | 16 | kV/mm | ASTM D149 |
| Arc Resistance (1.59 mm) | 180 | sec | ASTM D495 |
| Comparative Tracking Index (CTI) (1.59 mm) | 500 | V | UL 746 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (1.59 mm) | V-0 | | UL 94 |

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



WECHAT