

## Bulk Molding Compounds BMC 2270 Mineral Filled, Glass Reinforced Polyester

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass and Mineral Filled BMC

### Material Notes:

BMC 2270 molding compound is a mineral filled, glass-fiber-reinforced polyester compound suitable for compression and transfer molding. It is a general purpose material with medium impact strength and wet insulation resistance. Typical applications include distributor caps and rotors.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-2270-Mineral-Filled-Glass-Reinforced-Polyester.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-2270-Mineral-Filled-Glass-Reinforced-Polyester.php)

| Physical Properties   | Metric                | English               | Comments       |
|-----------------------|-----------------------|-----------------------|----------------|
| Specific Gravity      | 1.86 g/cc             | 1.86 g/cc             |                |
| Water Absorption      | 0.12 %                | 0.12 %                | 24 hours, 23°C |
| Linear Mold Shrinkage | 0.0025 - 0.0035 cm/cm | 0.0025 - 0.0035 in/in |                |

| Mechanical Properties      | Metric           | English              | Comments |
|----------------------------|------------------|----------------------|----------|
| Hardness, Barcol           | 25 - 35          | 25 - 35              |          |
| Tensile Strength, Ultimate | 34.5 - 48.3 MPa  | 5000 - 7000 psi      |          |
| Flexural Strength          | 103 - 138 MPa    | 15000 - 20000 psi    |          |
| Compressive Strength       | 152 - 172 MPa    | 22000 - 25000 psi    |          |
| Izod Impact, Notched       | 1.60 - 2.14 J/cm | 3.00 - 4.00 ft-lb/in |          |

| Thermal Properties                          | Metric             | English              | Comments |
|---------------------------------------------|--------------------|----------------------|----------|
| Deflection Temperature at 1.8 MPa (264 psi) | >= 260 °C          | >= 500 °F            |          |
| Flammability, UL94                          | V-0                | V-0                  |          |
|                                             | @Thickness 6.35 mm | @Thickness 0.250 in  |          |
|                                             | V-0                | V-0                  |          |
|                                             | @Thickness 3.17 mm | @Thickness 0.125 in  |          |
|                                             | V-0                | V-0                  |          |
|                                             | @Thickness 1.59 mm | @Thickness 0.0625 in |          |

| Electrical Properties | Metric           | English          | Comments |
|-----------------------|------------------|------------------|----------|
| Dielectric Constant   | 5.3              | 5.3              |          |
|                       | @Frequency 60 Hz | @Frequency 60 Hz |          |

| Electrical Properties      | Metric            | English          | Comments          |
|----------------------------|-------------------|------------------|-------------------|
| <b>Dielectric Strength</b> | <b>14.8 kV/mm</b> | <b>375 kV/in</b> | <b>Short Time</b> |
| Dissipation Factor         | 0.018             | 0.018            |                   |
|                            | @Frequency 60 Hz  | @Frequency 60 Hz |                   |
| Arc Resistance             | 190 sec           | 190 sec          |                   |
| Comparative Tracking Index | >= 500 V          | >= 500 V         |                   |

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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China