

## Bulk Molding Compounds BMC 310 Cosmetic and Appliance Grade Compound

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

### Material Notes:

BMC 310 is a cosmetic and appliance grade material with superior heat and stain resistant properties. As with all other BMCI compounds, this Series can be supplied in logs, slugs or bulk. Typical applications are oven handles, vent trim and control panels.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-310-Cosmetic-and-Appliance-Grade-Compound.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-310-Cosmetic-and-Appliance-Grade-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 - 0.20 %         | 0.10 - 0.20 %         | 24 hours, 23°C |
| Linear Mold Shrinkage | 0.0015 - 0.0040 cm/cm | 0.0015 - 0.0040 in/in |                |

| Mechanical Properties      | Metric           | English              | Comments |
|----------------------------|------------------|----------------------|----------|
| Hardness, Barcol           | 40 - 55          | 40 - 55              |          |
| Tensile Strength, Ultimate | 34.5 - 55.2 MPa  | 5000 - 8000 psi      |          |
| Flexural Strength          | 68.9 - 124 MPa   | 10000 - 18000 psi    |          |
| Flexural Modulus           | 11.0 - 13.8 GPa  | 1600 - 2000 ksi      |          |
| Compressive Strength       | 124 - 152 MPa    | 18000 - 22000 psi    |          |
| Izod Impact, Notched       | 1.07 - 3.20 J/cm | 2.00 - 6.00 ft-lb/in |          |

| Thermal Properties                          | Metric       | English      | Comments |
|---------------------------------------------|--------------|--------------|----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 218 - 260 °C | 425 - 500 °F |          |
| Flammability, UL94                          | V-0          | V-0          |          |

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

## Contact Songhan Plastic Technology Co.,Ltd.

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