

Bulk Molding Compounds BMC T60 Grey Wear Resistant Molding Compound

Category : Polymer , Thermoset , Polyester, TS , Polyester (Thermoset) - Rigid

Material Notes:

BMC T60 Grey is a wear resistant molding compound specifically formulated for applications that require excellent abrasion resistance. Due to its low specific gravity it has substantial cost per cubic inch savings. BMC T60 Grey can be injection, transfer and compression molded. It is UL listed and is typically used in power distribution equipment, switching components/relays, constant use switch applications and circuit protection breakers. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T60-Grey-Wear-Resistant-Molding-Compound.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-----------------------|------------------------------------|----------|
| Density | 1.51 - 1.71 g/cc | 0.0546 - 0.0618 lb/in ³ | Molded |
| Linear Mold Shrinkage | 0.0020 - 0.0030 cm/cm | 0.0020 - 0.0030 in/in | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|------------------|----------------------|----------|
| Hardness, Barcol | 5.0 - 10 | 5.0 - 10 | |
| Tensile Strength | 31.0 - 44.8 MPa | 4500 - 6500 psi | |
| Flexural Strength | 53.8 - 81.4 MPa | 7800 - 11800 psi | |
| Flexural Modulus | 3.65 - 5.03 GPa | 530 - 730 ksi | |
| Compressive Strength | 84.8 - 112 MPa | 12300 - 16300 psi | |
| Izod Impact, Notched | 1.23 - 2.30 J/cm | 2.30 - 4.30 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 | |

| Electrical Properties | Metric | English | Comments |
|----------------------------|-------------------|-----------------|------------|
| Dielectric Strength | 13.2 - 15.2 kV/mm | 335 - 385 kV/in | short time |
| Arc Resistance | >= 185 sec | >= 185 sec | |
| Comparative Tracking Index | >= 500 V | >= 500 V | |

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

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

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