

## Barlog Plastics KEBATER BM330 PBT, 30% mineral reinforced, good light reflection

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Mineral Filled

**Material Notes:**

PBT-MD30 Information provided by BARLOG plastics GmbH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Barlog-Plastics-KEBATER-BM330-PBT-30-mineral-reinforced-good-light-reflection.php](http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBATER-BM330-PBT-30-mineral-reinforced-good-light-reflection.php)

| Physical Properties                | Metric      | English                   | Comments               |
|------------------------------------|-------------|---------------------------|------------------------|
| Density                            | 1.62 g/cc   | 0.0585 lb/in <sup>3</sup> | ISO 1183               |
| Water Absorption                   | 0.20 %      | 0.20 %                    | similar to ISO 62 test |
| Moisture Absorption at Equilibrium | 0.40 %      | 0.40 %                    | similar to ISO 62 test |
| Linear Mold Shrinkage, Flow        | 0.016 cm/cm | 0.016 in/in               | ISO 294-4              |
| Linear Mold Shrinkage, Transverse  | 0.017 cm/cm | 0.017 in/in               | ISO 294-4              |

| Mechanical Properties     | Metric                  | English                    | Comments    |
|---------------------------|-------------------------|----------------------------|-------------|
| Tensile Strength at Break | 45.0 MPa                | 6530 psi                   | ISO 527-1   |
| Elongation at Break       | 3.5 %                   | 3.5 %                      | ISO 527-1   |
| Tensile Modulus           | 2.80 GPa                | 406 ksi                    | ISO 527-1   |
| Charpy Impact Unnotched   | NB                      | NB                         | ISO 179-1eU |
| Charpy Impact, Notched    | 0.450 J/cm <sup>2</sup> | 2.14 ft-lb/in <sup>2</sup> | ISO 179-1eA |

| Thermal Properties                          | Metric                                    | English                                     | Comments                 |
|---|---|---|--------------------------|
| CTE, linear, Parallel to Flow               | 80.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ | 44.4 $\mu\text{in}/\text{in}\cdot\text{°F}$ | ISO 11359-1/-2           |
| CTE, linear, Transverse to Flow             | 80.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ | 44.4 $\mu\text{in}/\text{in}\cdot\text{°F}$ | ISO 11359-1/-2           |
| Melting Point                               | 225 °C                                    | 437 °F                                      | 10°C/min; ISO 11357-1/-3 |
| Deflection Temperature at 0.46 MPa (66 psi) | 165 °C                                    | 329 °F                                      | ISO 75-1/-2              |
| Deflection Temperature at 1.8 MPa (264 psi) | 75.0 °C                                   | 167 °F                                      | ISO 75-1/-2              |
| Flammability, UL94                          | HB<br>@Thickness 0.800 mm                 | HB<br>@Thickness 0.0315 in                  | IEC 60695-11-10          |

| Electrical Properties | Metric          | English         | Comments  |
|-----------------------|-----------------|-----------------|-----------|
| Volume Resistivity    | 1.00e+15 ohm-cm | 1.00e+15 ohm-cm | IEC 60093 |
| Surface Resistance    | 1.00e+13 ohm    | 1.00e+13 ohm    | IEC 60093 |

| Descriptive Properties | Value    | Comments |
|------------------------|----------|----------|
| Resin Type             | PBT-MD30 |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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