

Barlog Plastics KEBATRON L1065X3 PPS, linear, 65% glass fiber / mineral reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Mineral/Glass-Fiber Filled

Material Notes:

PPS-GF/MD 65 Information provided by BARLOG plastics GmbH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBATRON-L1065X3-PPS-linear-65-glass-fiber-mineral-reinforced.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|------------------------|
| Density | 1.94 g/cc | 0.0701 lb/in ³ | ISO 1183 |
| Water Absorption | 0.020 % | 0.020 % | similar to ISO 62 test |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-------------------------|----------------------------|-------------|
| Tensile Strength at Break | 120 MPa | 17400 psi | ISO 527-1 |
| Elongation at Break | 0.80 % | 0.80 % | ISO 527-1 |
| Tensile Modulus | 19.0 GPa | 2760 ksi | ISO 527-1 |
| Charpy Impact Unnotched | 2.00 J/cm ² | 9.52 ft-lb/in ² | ISO 179-1eU |
| Charpy Impact, Notched | 0.700 J/cm ² | 3.33 ft-lb/in ² | ISO 179-1eA |

| Thermal Properties | Metric | English | Comments |
|---|--|--|---|
| CTE, linear, Parallel to Flow | 15.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$ | 8.33 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$ | ISO 11359-1/-2 |
| Melting Point | 285 $^{\circ}\text{C}$ | 545 $^{\circ}\text{F}$ | 10 $^{\circ}\text{C}/\text{min}$; ISO 11357-1/-3 |
| Deflection Temperature at 1.8 MPa (264 psi) | 265 $^{\circ}\text{C}$ | 509 $^{\circ}\text{F}$ | ISO 75-1/-2 |
| Flammability, UL94 | V-0 @Thickness 0.800 mm | V-0 @Thickness 0.0315 in | UL Registered; IEC 60695-11-10 |

| Descriptive Properties | Value | Comments |
|------------------------|--------------|----------|
| Resin Type | PPS-GF/MD 65 | |

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