

SABIC Innovative Plastics LNP Thermocomp KB002 Acetal Copoly

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Glass Bead Filled

Material Notes:

LNP* Thermocomp* KB002 is a compound based on Acetal Copolymer resin containing Glass Bead. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-KB002-Acetal-Copoly.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--------------------------------|--------------------------------|------------|
| Density | 1.48 g/cc | 0.0535 lb/in ³ | ASTM D 792 |
| Linear Mold Shrinkage, Flow | 0.020 cm/cm @Time 86400 sec | 0.020 in/in @Time 24.0 hour | ASTM D 955 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--|---|-----------------------|
| Tensile Strength at Break | 48.0 MPa | 6960 psi | ASTM D 638 |
| Elongation at Break | 8.4 % | 8.4 % | ASTM D 638 |
| Tensile Modulus | 3.55 GPa | 515 ksi | 50 mm/min; ASTM D 638 |
| Flexural Strength | 75.0 MPa | 10900 psi | ASTM D 790 |
| Flexural Modulus | 2.76 GPa | 400 ksi | ASTM D 790 |
| Izod Impact, Notched | 0.370 J/cm @Temperature 23.0 Â°C | 0.693 ft-lb/in @Temperature 73.4 Â°F | ASTM D 256 |
| Izod Impact, Unnotched | 7.29 J/cm @Temperature 23.0 Â°C | 13.7 ft-lb/in @Temperature 73.4 Â°F | ASTM D 4812 |

| Thermal Properties | Metric | English | Comments |
|--|-------------------------------|--------------------------------|------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 101 Â°C @Thickness 3.20 mm | 214 Â°F @Thickness 0.126 in | unannealed; ASTM D 648 |

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