

SABIC Innovative Plastics LNP Thermocomp RB008 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead Filled

Material Notes:

LNP* THERMOCOMP* RB008 is a compound based on PA 66 resin containing Glass Bead. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-RB008-PA-66-Europe-Africa-Middle-East.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|-------------|---------------------------|--------------|
| Density | 1.44 g/cc | 0.0520 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage, Flow | 0.014 cm/cm | 0.014 in/in | SABIC Method |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|---|--|---------------------|
| Tensile Strength, Yield | 83.0 MPa | 12000 psi | 5 mm/min; ISO 527 |
| Elongation at Break | 4.0 % | 4.0 % | 5 mm/min; ISO 527 |
| Tensile Modulus | 5.20 GPa | 754 ksi | 1 mm/min; ISO 527 |
| Flexural Yield Strength | 128 MPa | 18600 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 4.40 GPa | 638 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 3.00 kJ/m ² @Temperature 23.0 °C | 1.43 ft-lb/in ² @Temperature 73.4 °F | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 20.0 kJ/m ² @Temperature 23.0 °C | 9.52 ft-lb/in ² @Temperature 73.4 °F | 80*10*4; ISO 180/1U |

| Thermal Properties | Metric | English | Comments |
|--|---|--|----------------------------------|
| CTE, linear, Parallel to Flow | 58.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C | 32.2 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F | ISO 11359-2 |
| CTE, linear, Transverse to Flow | 57.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C | 31.7 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F | ISO 11359-2 |
| Deflection Temperature at 0.46 MPa (66 psi) | 225 Å°C | 437 Å°F | Flatw 80*10*4 sp=64mm; ISO 75/Bf |

| | | | |
|--|-------------------|--------------------|--|
| Deflection Temperature at 1.8 MPa Thermal Properties (104 psi) | 110 Å°C Metric | 230 Å°F English | Flatw 80*10*4 sp=64mm; ISO 75/Af Comments |
|--|-------------------|--------------------|--|

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