

SABIC Innovative Plastics LNP THERMOCOMP PH1000A PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP THERMOCOMP* PH1000A is a compound based on Nylon 6 resin. Added features of this material include: High Specific Gravity.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-PH1000A-PA-6.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--------------|--------------|--------------|
| Linear Mold Shrinkage, Flow | 0.0072 cm/cm | 0.0072 in/in | SABIC Method |
| Linear Mold Shrinkage, Transverse | 0.0074 cm/cm | 0.0074 in/in | SABIC Method |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|----------------|----------------------|
| Tensile Strength at Break | 44.0 MPa | 6380 psi | ASTM D638 |
| Elongation at Break | 0.40 % | 0.40 % | ASTM D638 |
| Tensile Modulus | 16.45 GPa | 2386 ksi | 50 mm/min; ASTM D638 |
| Flexural Strength | 91.0 MPa | 13200 psi | ASTM D790 |
| Flexural Modulus | 18.97 GPa | 2751 ksi | ASTM D790 |
| Izod Impact, Notched | 0.480 J/cm | 0.899 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 1.60 J/cm | 3.00 ft-lb/in | ASTM D4812 |

| Thermal Properties | Metric | English | Comments |
|---|-------------------------------|--------------------------------|-----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 165 Â°C @Thickness 3.20 mm | 329 Â°F @Thickness 0.126 in | unannealed; ASTM D648 |

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