

SABIC Innovative Plastics LNP THERMOCOMP PF003 PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP THERMOCOMP* PF003 is a compound based on Nylon 6 resin containing 15% Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-PF003-PA-6.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-----------|
| Density | 1.27 g/cc | 0.0459 lb/in ³ | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|----------------|----------------------|
| Tensile Strength at Break | 123 MPa | 17800 psi | ASTM D638 |
| Elongation at Break | 3.2 % | 3.2 % | ASTM D638 |
| Tensile Modulus | 6.35 GPa | 921 ksi | 50 mm/min; ASTM D638 |
| Flexural Strength | 179 MPa | 26000 psi | ASTM D790 |
| Flexural Modulus | 5.60 GPa | 812 ksi | ASTM D790 |
| Izod Impact, Notched | 0.420 J/cm | 0.787 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 5.30 J/cm | 9.93 ft-lb/in | ASTM D4812 |

| Thermal Properties | Metric | English | Comments |
|---|-------------------------------|--------------------------------|-----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 203 Â°C @Thickness 3.20 mm | 397 Â°F @Thickness 0.126 in | unannealed; ASTM D648 |

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