

**SABIC Innovative Plastics LNP THERMOCOMP MF004SU PP**

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

LNP\* THERMOCOMP\* MF004SU is a compound based on Polypropylene containing 20% Glass Fiber. Characteristics of this grade are: Heat Stabilized, Chemically Coupled, UV Stabilized.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-MF004SU-PP.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-MF004SU-PP.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Time 86400 sec	0.0040 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.010 cm/cm @Time 86400 sec	0.010 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	66.0 MPa	9570 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	3.1 %	3.1 %	Type I, 5 mm/min; ASTM D638
Flexural Strength	106 MPa	15400 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	4.13 GPa	599 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.420 J/cm	0.787 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.34 J/cm	10.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	145 Â°C @Thickness 3.20 mm	293 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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