

SABIC Innovative Plastics LNP THERMOCOMP JF004 PES (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

LNP* Thermocomp* JF004 is a compound based on Polyethersulfone resin containing Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-JF004-PES-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	118 MPa	17100 psi	5 mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5 mm/min; ISO 527
Tensile Modulus	6.70 GPa	972 ksi	1 mm/min; ISO 527
Flexural Strength	175 MPa	25400 psi	2 mm/min; ISO 178
Flexural Modulus	5.90 GPa	856 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m ²	16.7 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	22.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	12.2 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	51.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	28.3 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	218 Â°C	424 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	218 Â°C	424 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0 @Thickness 0.500 mm	V-0 @Thickness 0.0197 in	UL 94

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