

SABIC Innovative Plastics LNP Thermocomp JF002E PES

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

LNP THERMOCOMP* JF002E is a compound based on Polyethersulfone resin containing Glass Fiber. Added features of this material include: Easy Molding. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-JF002E-PES.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm @Time 86400 sec	0.0060 - 0.0080 in/in @Time 24.0 hour	ASTM D 955
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm @Time 86400 sec	0.0060 - 0.0080 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	108 MPa	15700 psi	ASTM D 638
Elongation at Break	3.1 %	3.1 %	ASTM D 638
Flexural Strength	168 MPa	24400 psi	ASTM D 790
Flexural Modulus	4.96 GPa	719 ksi	ASTM D 790
Izod Impact, Notched	0.430 J/cm @Temperature 23.0 °C	0.806 ft-lb/in @Temperature 73.4 °F	ASTM D 256
Izod Impact, Unnotched	4.16 J/cm @Temperature 23.0 °C	7.79 ft-lb/in @Temperature 73.4 °F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	204 °C @Thickness 3.20 mm	399 °F @Thickness 0.126 in	unannealed; ASTM D 648

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