

SABIC Innovative Plastics LNP THERMOCOMP JX97000 PES (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

LNP* Thermocomp* JX97000 is a compound based on Polyethersulfone resin containing Glass Fiber. Added features of this material include: Mold Release.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-JX97000-PES-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.61 g/cc	0.0582 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	139 MPa	20200 psi	5 mm/min; ISO 527
Elongation at Break	2.0 %	2.0 %	5 mm/min; ISO 527
Tensile Modulus	9.70 GPa	1410 ksi	1 mm/min; ISO 527
Flexural Strength	183 MPa	26500 psi	2 mm/min; ISO 178
Flexural Modulus	8.20 GPa	1190 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 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	26.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	14.4 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	55.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	30.6 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	224 $\text{Å}^\circ\text{C}$	435 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	218 $\text{Å}^\circ\text{C}$	424 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

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