

SABIC Innovative Plastics LNP THERMOCOMP JF006E PES

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

LNP* THERMOCOMP* JF006E is a compound based on Polyethersulfone resin containing 30% Glass Fiber. Added features of this material include: Easy Molding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-JF006E-PES.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ASTM D792
Moisture Absorption	0.200 %	0.200 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Time 86400 sec	0.0030 - 0.0050 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm @Time 86400 sec	0.0060 - 0.0080 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	139 MPa	20200 psi	ASTM D638
	145 MPa	21000 psi	ISO 527
Elongation at Break	1.9 %	1.9 %	ISO 527
	2.6 %	2.6 %	ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
	209 MPa	30300 psi	ISO 178
Flexural Modulus	8.91 GPa	1290 ksi	ASTM D790
	9.70 GPa	1410 ksi	ISO 178
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.34 J/cm	10.0 ft-lb/in	ASTM D4812
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)	40.0 kJ/m ²	19.0 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	7.00 J	5.16 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	213 Â°C	415 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	212 Â°C	414 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China