

SABIC Innovative Plastics LNP THERMOCOMP LF006 PEEK (Asia Pacific)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

LNP* Thermocomp* LF006 is a compound based on Polyetheretherketone resin containing Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-LF006-PEEK-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	ISO 1183
	1.54 g/cc	0.0556 lb/in ³	ASTM D792
Moisture Absorption	0.100 %	0.100 %	50% RH, 24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	175 MPa	25400 psi	ASTM D638
	175 MPa	25400 psi	ISO 527
Elongation at Break	1.9 %	1.9 %	ISO 527
	2.0 %	2.0 %	ASTM D638
Tensile Modulus	13.1 GPa	1900 ksi	1 mm/min; ISO 527
	13.23 GPa	1919 ksi	50 mm/min; ASTM D638
Flexural Strength	241 MPa	35000 psi	ASTM D790
	264 MPa	38300 psi	ISO 178
Flexural Modulus	10.75 GPa	1559 ksi	ASTM D790
	12.7 GPa	1840 ksi	ISO 178
Izod Impact, Notched	1.17 J/cm	2.19 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.54 J/cm	16.0 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	57.0 kJ/m ²	27.1 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	14.0 J	10.3 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
	17.0 Åµm/m-Å°C	9.44 Åµin/in-Å°F	

Thermal Properties	Metric	English	Comments
	@ Temperature -40.0 - 40.0 Â°C	@ Temperature -40.0 - 104 Â°F	
	18.0 Âµm/m-Â°C	10.0 Âµin/in-Â°F	ASTM E 831
	@ Temperature -40.0 - 40.0 Â°C	@ Temperature -40.0 - 104 Â°F	
CTE, linear, Transverse to Flow	48.4 Âµm/m-Â°C	26.9 Âµin/in-Â°F	ISO 11359-2
	@ Temperature -40.0 - 40.0 Â°C	@ Temperature -40.0 - 104 Â°F	
	48.6 Âµm/m-Â°C	27.0 Âµin/in-Â°F	ASTM E 831
	@ Temperature -40.0 - 40.0 Â°C	@ Temperature -40.0 - 104 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	>= 240 Â°C	>= 464 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	>= 298 Â°C	>= 568 Â°F	unannealed; ASTM D648
	@ Thickness 3.20 mm	@ Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	>= 240 Â°C	>= 464 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	>= 298 Â°C	>= 568 Â°F	unannealed; ASTM D648
	@ Thickness 3.20 mm	@ Thickness 0.126 in	
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP
	@ Thickness 0.780 mm	@ Thickness 0.0307 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