

SABIC Innovative Plastics LNP THERMOCOMP LX08411 PEEK

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

Material Notes:

LNP* THERMOCOMP* LX08411 is a compound based on Polyetheretherketone resin containing Carbon Fiber. Added feature of this material is: Opaque.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-LX08411-PEEK.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ASTM D792
Moisture Absorption	0.0300 %	0.0300 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0020 - 0.0028 cm/cm @Time 86400 sec	0.0020 - 0.0028 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0075 - 0.0085 cm/cm @Time 86400 sec	0.0075 - 0.0085 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	270 MPa	39200 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	270 MPa	39200 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.8 %	1.8 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	1.8 %	1.8 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	23.51 GPa	3410 ksi	50 mm/min; ASTM D638
Flexural Strength	366 MPa	53100 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Yield Strength	366 MPa	53100 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	25.0 GPa	3630 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.700 J/cm	1.31 ft-lb/in	ASTM D256
Izod Impact, Unnotched	7.75 J/cm	14.5 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	341 Â°C @Thickness 3.20 mm	646 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	@Thickness 3.20 mm	@Thickness 0.126 in	unannealed, ASTM D648

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