

SABIC Innovative Plastics LNP THERMOCOMP LC008EXQ PEEK

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

Material Notes:

LNP* THERMOCOMP* LC008EXQ is a compound based on Polyetheretherketone containing 40% Carbon Fiber. Added features of this grade include: Electrically Conductive, Easy Molding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-LC008EXQ-PEEK.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Moisture Absorption	0.0500 %	0.0500 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0015 - 0.0030 cm/cm	0.0015 - 0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0070 - 0.014 cm/cm	0.0070 - 0.014 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	321 MPa	46600 psi	5 mm/min; ISO 527
	330 MPa	47900 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.4 %	1.4 %	5 mm/min; ISO 527
	1.5 %	1.5 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	40.42 GPa	5862 ksi	1 mm/min; ISO 527
	41.48 GPa	6016 ksi	5 mm/min; ASTM D638
Flexural Strength	460 MPa	66700 psi	ISO 178
	492 MPa	71400 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	33.82 GPa	4905 ksi	2 mm/min; ISO 178
	35.2 GPa	5110 ksi	1.3 mm/min, 50 mm span; ASTM D790
Compressive Strength	215 MPa	31200 psi	SABIC Method
Poissons Ratio	0.47	0.47	ASTM E 132
Shear Modulus	5.003 GPa	725.6 ksi	ASTM C273

Shear Strength Mechanical Properties	126 MPa Metric	18300 psi English	ASTM C273 Comments
Izod Impact, Notched	0.820 J/cm	1.54 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.63 J/cm	16.2 ft-lb/in	ASTM D4812
Dart Drop, Total Energy	7.00 J @Temperature 23.0 Â°C	5.16 ft-lb @Temperature 73.4 Â°F	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	335 Â°C @Thickness 3.20 mm	635 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 1000 ohm	100 - 1000 ohm	ASTM D257

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