

SABIC Innovative Plastics LNP THERMOCOMP EC008 PEI (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

LNP* THERMOCOMP* EC008 is a compound based on Polyetherimide resin containing Carbon Fiber. Added features include: Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-EC008-PEI-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.00010 - 0.00050 cm/cm @Time 86400 sec	0.00010 - 0.00050 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0010 - 0.0050 cm/cm @Time 86400 sec	0.0010 - 0.0050 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	211 MPa	30600 psi	5 mm/min; ISO 527
Elongation at Break	0.90 %	0.90 %	5 mm/min; ISO 527
Tensile Modulus	27.0 GPa	3920 ksi	1 mm/min; ISO 527
Flexural Yield Strength	286 MPa	41500 psi	2 mm/min; ISO 178
Flexural Modulus	22.2 GPa	3220 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)	25.0 kJ/m ²	11.9 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	214 Â°C	417 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

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