

SABIC Innovative Plastics LNP Stat-kon EE008E PEI (Asia Pacific)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

LNP STAT-KON* EE008E is a compound based on Polyetherimide resin containing Carbon Fiber. Added features of this material include: Easy Molding. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-EE008E-PEI-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.00020 - 0.0010 cm/cm @Time 86400 sec	0.00020 - 0.0010 in/in @Time 24.0 hour	ASTM D 955
Linear Mold Shrinkage, Transverse	0.0020 - 0.0030 cm/cm @Time 86400 sec	0.0020 - 0.0030 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	222 MPa	32200 psi	ASTM D 638
Elongation at Break	1.5 %	1.5 %	ASTM D 638
Flexural Strength	315 MPa	45700 psi	ASTM D 790
Flexural Modulus	25.51 GPa	3700 ksi	ASTM D 790
Izod Impact, Notched	0.530 J/cm @Temperature 23.0 Å°C	0.993 ft-lb/in @Temperature 73.4 Å°F	ASTM D 256
Izod Impact, Unnotched	4.27 J/cm @Temperature 23.0 Å°C	8.00 ft-lb/in @Temperature 73.4 Å°F	ASTM D 4812
Coefficient of Friction, Dynamic	0.50	0.50	ASTM D 3702 Modified
Coefficient of Friction, Static	0.46	0.46	ASTM D 3702 Modified
K (wear) Factor	141 x 10 ⁻⁸ mm ³ /N-M	70.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D 3702 Modified

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