

SABIC Innovative Plastics LNP STAT-KON EX03319C PEI (Asia Pacific)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

LNP* Stat-Kon* EX03319C is a polyetherimide compound reinforced with carbon fiber for good stiffness, dimension stability and has extremely high level of cleanliness for the most demanding application. A unique feature of this material is its low non-volatile residue (NVR). This compound is manufactured using LNP CCS Technology.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-EX03319C-PEI-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.351 g/cc	0.04881 lb/in ³	ASTM D792
Moisture Absorption	0.200 %	0.200 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.00050 - 0.0015 cm/cm	0.00050 - 0.0015 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0030 - 0.0045 cm/cm	0.0030 - 0.0045 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	224 MPa	32500 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.3 %	2.3 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	16.96 GPa	2460 ksi	50 mm/min; ASTM D638
Flexural Strength	233 MPa	33800 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	11.6 GPa	1680 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.54 J/cm	6.63 ft-lb/in	ASTM D4812
Charpy Impact Unnotched	2.20 J/cm ²	10.5 ft-lb/in ²	Edgew 80*10*4 sp=62mm; ISO 179/1eU
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	205 Â°C	401 Â°F	unannealed; ASTM D648

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	5000 - 5.00e+6 ohm-cm	5000 - 5.00e+6 ohm-cm	ASTM D257
Surface Resistance	5000 - 500000 ohm	5000 - 500000 ohm	ASTM D257
Static Decay	0.10 sec	0.10 sec	5000V to <50V; FTMS101B

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