

SABIC Innovative Plastics LNP STAT-KON EX99550C PEI

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

LNP* STAT-KON* EX99550C is a compound based on Polyetherimide resin containing Proprietary Filler(s). Added features of this material include: Clean Compounding System, Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-EX99550C-PEI.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792
Moisture Absorption	0.210 %	0.210 %	50% RH, 24 hrs; ASTM D570
	0.320 %	0.320 %	23 ^o C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0015 cm/cm	0.0015 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0034 cm/cm	0.0034 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	149 MPa	21600 psi	ISO 527
	189 MPa	27400 psi	ASTM D638
Elongation at Break	0.70 %	0.70 %	ISO 527
	1.1 %	1.1 %	ASTM D638
Tensile Modulus	20.68 GPa	2999 ksi	50 mm/min; ASTM D638
	22.94 GPa	3327 ksi	1 mm/min; ISO 527
Flexural Strength	251 MPa	36400 psi	ISO 178
	266 MPa	38600 psi	ASTM D790
Flexural Modulus	18.68 GPa	2709 ksi	ISO 178

Mechanical Properties	18.75 GPa Metric	2721 ksi English	ASTM D790 Comments
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.52 J/cm	6.59 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	5.00 kJ/mÂ²	2.38 ft-lb/inÂ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	24.0 kJ/mÂ²	11.4 ft-lb/inÂ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	8.00 J	5.90 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 Âµm/m-Â°C	10.0 Âµin/in-Â°F	ASTM E 831
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
	18.0 Âµm/m-Â°C	10.0 Âµin/in-Â°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
CTE, linear, Transverse to Flow	21.9 Âµm/m-Â°C	12.2 Âµin/in-Â°F	ASTM E 831
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
	21.9 Âµm/m-Â°C	12.2 Âµin/in-Â°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	204 Â°C	399 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	201 Â°C	394 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP
	@Thickness 0.350 mm	@Thickness 0.0138 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.0 - 10000 ohm	1.0 - 10000 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