

## SABIC Innovative Plastics LNP STAT-KON EX11402 PEI

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

### Material Notes:

LNP\* STAT-KON\* EX11402 is a compound based on Polyetherimide resin containing Proprietary Filler(s). Added feature of this material is: Electrically Conductive.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-KON-EX11402-PEI.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-EX11402-PEI.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Density	1.29 g/cc	0.0466 lb/in <sup>3</sup>	ASTM D792
Moisture Absorption	0.250 %	0.250 %	23 <sup>o</sup> C / 50% RH; ISO 62
	0.350 %	0.350 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	74.0 MPa	10700 psi	Type I, 5 mm/min; ASTM D638
	85.0 MPa	12300 psi	5 mm/min; ISO 527
Elongation at Break	2.3 %	2.3 %	Type I, 5 mm/min; ASTM D638
	2.8 %	2.8 %	5 mm/min; ISO 527
Tensile Modulus	3.73 GPa	541 ksi	1 mm/min; ISO 527
	3.84 GPa	557 ksi	5 mm/min; ASTM D638
Flexural Strength	132 MPa	19100 psi	1.3 mm/min, 50 mm span; ASTM D790
	159 MPa	23100 psi	ISO 178
Flexural Modulus	3.68 GPa	534 ksi	2 mm/min; ISO 178
	4.00 GPa	580 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.160 J/cm	0.300 ft-lb/in	ASTM D256

Izod Impact, Unnotched Mechanical Properties	3.48 J/cm Metric	6.48 ft-lb/in English	ASTM D4812 Comments
Izod Impact, Notched (ISO)	2.00 kJ/m <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	21.0 kJ/m <sup>2</sup>	9.99 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	3.00 J @Temperature 23.0 Â°C	2.21 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Impact Test	1.00 J	0.738 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	44.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	24.4 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	45.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	25.0 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	203 Â°C	397 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	205 Â°C @Thickness 3.20 mm	401 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	192 Â°C	378 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	201 Â°C @Thickness 3.20 mm	394 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	100 ohm - 1e+05	100 ohm - 1e+05	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China