

## SABIC Innovative Plastics LNP STAT-KON TX06488NTX1 PU

Category : Polymer , Thermoplastic , Polyurethane, TP

### Material Notes:

LNP\* STAT-KON\* TX06488NTX1 is a compound based on Polyurethane resin containing Proprietary Filler(s). Added features of this grade are: Excellent Ductility, Electrically Conductive.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-KON-TX06488NTX1-PU.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-TX06488NTX1-PU.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792
Density	1.28 g/cc	0.0462 lb/in <sup>3</sup>	ASTM D792
Moisture Absorption	0.670 %	0.670 %	50% RH, 24 hrs; ASTM D570
	0.890 %	0.890 %	23 <sup>o</sup> C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	18.0 MPa	2610 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	19.0 MPa	2760 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	392 %	392 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	388 %	388 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	0.0600 GPa	8.70 ksi	5 mm/min; ASTM D638
Flexural Modulus	0.0600 GPa	8.70 ksi	1.3 mm/min, 50 mm span; ASTM D790
Dart Drop, Total Energy	39.0 J	28.8 ft-lb	ASTM D3763
	@Temperature 23.0 <sup>o</sup> C	@Temperature 73.4 <sup>o</sup> F	
Impact Test	41.0 J	30.2 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	23.0 <sup>o</sup> C	73.4 <sup>o</sup> F	Flatw 80*10*4 sp=64mm; ISO 75/Bf

Thermal Properties	Metric °C	English	Comments
	@Thickness 3.20 mm	@Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	23.0 Â°C	73.4 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	23.0 Â°C @Thickness 3.20 mm	73.4 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.

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