

SABIC Innovative Plastics LNP STAT-KON OE004AE PPS - Branched

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP STAT-KON* OE004AE is a compound based on PPS - Branched resin containing 20% Carbon Fiber. Added features of this material are:
Easy Molding, Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-OE004AE-PPS-Branched.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ASTM D792
	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 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	146 MPa	21200 psi	5 mm/min; ISO 527
	163 MPa	23600 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	146 MPa	21200 psi	5 mm/min; ISO 527
	163 MPa	23600 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	0.80 %	0.80 %	Type I, 5 mm/min; ASTM D638
	0.80 %	0.80 %	5 mm/min; ISO 527
Elongation at Yield	0.80 %	0.80 %	Type I, 5 mm/min; ASTM D638
	0.80 %	0.80 %	5 mm/min; ISO 527
Tensile Modulus	19.12 GPa	2773 ksi	1 mm/min; ISO 527
	27.16 GPa	3939 ksi	50 mm/min; ASTM D638
Flexural Strength	215 MPa	31200 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Yield Strength	208 MPa	30200 psi	2 mm/min; ISO 178
Flexural Modulus	15.71 GPa	2279 ksi	1.3 mm/min, 50 mm span; ASTM D790

Mechanical Properties	16.05 GPa Metric	2328 ksi English	2 mm/min: ISO 178 Comments
Izod Impact, Notched	0.470 J/cm	0.881 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.54 J/cm	4.76 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	279 Â°C @Thickness 3.20 mm	534 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	262 Â°C	504 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/ Af
	263 Â°C @Thickness 3.20 mm	505 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 1.00e+6 ohm	100 - 1.00e+6 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