

SABIC Innovative Plastics LNP STAT-KON OE008 PPS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP * Stat-kon* OE 008 is a compound based on PPS-Linear resin containing Carbon Fiber. Added features include: Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-OE008-PPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	178 MPa	25800 psi	5 mm/min; ISO 527
Elongation at Break	0.70 %	0.70 %	5 mm/min; ISO 527
Tensile Modulus	30.3 GPa	4390 ksi	1 mm/min; ISO 527
Flexural Strength	251 MPa	36400 psi	2 mm/min; ISO 178
Flexural Yield Strength	253 MPa	36700 psi	2 mm/min; ISO 178
Flexural Modulus	25.3 GPa	3670 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	20.0 kJ/m ²	9.52 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	5.00 Åµm/m-Å°C	2.78 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
CTE, linear, Transverse to Flow	39.0 Åµm/m-Å°C	21.7 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

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