

SABIC Innovative Plastics LNP Stat-kon OX92182 PPS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP* STAT-KON* OX92182 is a compound based on PPS-Branched resin containing Glass Fiber, Carbon Fiber, Mineral. Added features include : Electrically Conductive. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-OX92182-PPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	ISO 1183
Water Absorption	0.050 %	0.050 %	ISO 62-1
	@Temperature 23.0 Â°C, Time 86400 sec	@Temperature 73.4 Â°F, Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	145 MPa	21000 psi	5 mm/min; ISO 527
Elongation at Break	1.3 %	1.3 %	5 mm/min; ISO 527
Tensile Modulus	17.5 GPa	2540 ksi	1 mm/min; ISO 527
Flexural Yield Strength	200 MPa	29000 psi	2 mm/min; ISO 178
Flexural Modulus	16.5 GPa	2390 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Izod Impact, Unnotched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	80*10*4; ISO 180/1U
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	15.0 Âµm/m-Â°C	8.33 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
	46.0 Âµm/m-Â°C	25.6 Âµin/in-Â°F	

Thermal Properties	Metric	English	Comments
Softening Point to Flow	@ Temperature 23.0 - 60.0 Â°C	@ Temperature 73.4 - 140 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	1000 - 1.00e+6 ohm	1000 - 1.00e+6 ohm	ASTM D 257

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