

SABIC Innovative Plastics LNP STAT-KON 9X04323 PPE+PA66 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Polyphenylene Ether/PPO

Material Notes:

LNP* Stat-kon* 9X04323 is a compound based on Noryl GTX resin, Added features of this material include: Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-9X04323-PPEPA66-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ASTM D792
	1.11 g/cc	0.0401 lb/in ³	ISO 1183
Moisture Absorption	0.200 %	0.200 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0093 - 0.0124 cm/cm	0.0093 - 0.0124 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	56.0 MPa	8120 psi	Type I, 5 mm/min; ASTM D638
	58.0 MPa	8410 psi	5 mm/min; ISO 527
Tensile Strength, Yield	59.0 MPa	8560 psi	Type I, 5 mm/min; ASTM D638
	59.0 MPa	8560 psi	5 mm/min; ISO 527
Elongation at Break	3.5 %	3.5 %	5 mm/min; ISO 527
	3.7 %	3.7 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	3.5 %	3.5 %	5 mm/min; ISO 527
	3.7 %	3.7 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	2.76 GPa	400 ksi	50 mm/min; ASTM D638
	2.78 GPa	403 ksi	1 mm/min; ISO 527
Flexural Strength	99.0 MPa	14400 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Yield Strength	96.0 MPa	13900 psi	2 mm/min; ISO 178
Flexural Modulus	2.40 GPa	348 ksi	1.3 mm/min, 50 mm span; ASTM D790
	2.59 GPa	376 ksi	2 mm/min; ISO 178
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256

Mechanical Properties (ISO)	Metric /mÅ²	English lb/inÅ²	Comments ID 180/1A
Thermal Properties			
CTE, linear, Parallel to Flow	22.0 Åµm/m-Å°C	12.2 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
CTE, linear, Transverse to Flow	24.0 Åµm/m-Å°C	13.3 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	181 Å°C	358 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	180 Å°C	356 Å°F	
	@Thickness 3.20 mm	@Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	163 Å°C	325 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	168 Å°C	334 Å°F	
	@Thickness 3.20 mm	@Thickness 0.126 in	unannealed; ASTM D648
Electrical Properties			
Surface Resistance	100 - 10000 ohm	100 - 10000 ohm	ASTM D257

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