

SABIC Innovative Plastics LNP Stat-kon DEF13 PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Stat-kon* DEF13 is a compound based on Polycarbonate resin containing Glass Fiber, Glass Fiber, Carbon Fiber. Added features of this material include: Electrically Conductive. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-DEF13-PC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D 792
Density	1.29 g/cc	0.0466 lb/in ³	ASTM D 792
	1.29 g/cc	0.0466 lb/in ³	ISO 1183
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D 570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.0 MPa	1740 psi	5 mm/min; ISO 527
	118 MPa	17100 psi	ASTM D 638
Tensile Strength, Yield	44.0 MPa	6380 psi	5 mm/min; ISO 527
	61.0 MPa	8850 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	1.9 %	1.9 %	5 mm/min; ISO 527
	4.0 %	4.0 %	ASTM D 638
Tensile Modulus	12.41 GPa	1800 ksi	1 mm/min; ISO 527
	17.87 GPa	2592 ksi	50 mm/min; ASTM D 638
Flexural Strength	159 MPa	23100 psi	1.3 mm/min, 50 mm span; ASTM D 790
	211 MPa	30600 psi	2 mm/min; ISO 178
Flexural Modulus	9.44 GPa	1370 ksi	ASTM D 790
	18.5 GPa	2680 ksi	2 mm/min; ISO 178
Izod Impact, Notched	0.960 J/cm @Temperature 23.0 Â°C	1.80 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

Mechanical Properties	5.13 J/cm Metric	9.61 ft-lb/in English	Comments
Izod Impact, Unnotched	@Thickness 6.40 mm, Temperature 23.0 Â°C	@Thickness 0.252 in, Temperature 73.4 Â°F	ASTM D 4812
Izod Impact, Notched (ISO)	13.0 kJ/mÂ² @Temperature 23.0 Â°C	6.19 ft-lb/inÂ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	148 Â°C	298 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Be
	147 Â°C @Thickness 3.20 mm	297 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	144 Â°C	291 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Ae
	144 Â°C @Thickness 3.20 mm	291 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 1.00e+6 ohm	100 - 1.00e+6 ohm	ASTM D 257

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