

SABIC Innovative Plastics LNP Stat-kon DX92440 PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP STAT-KON* DX92440 is a compound based on Polycarbonate resin containing Flame Retardant, Stainless Steel. 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-DX92440-PC.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	49.0 MPa	7110 psi	ASTM D 638
Tensile Strength, Yield	57.0 MPa	8270 psi	ASTM D 638
Elongation at Break	7.8 %	7.8 %	ASTM D 638
Elongation at Yield	4.3 %	4.3 %	ASTM D 638
Flexural Strength	99.0 MPa	14400 psi	ASTM D 790
Flexural Modulus	2.90 GPa	421 ksi	ASTM D 790
Izod Impact, Notched	0.650 J/cm	1.22 ft-lb/in	ASTM D 256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Unnotched	13.08 J/cm	24.50 ft-lb/in	ASTM D 4812
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	51.0 Å°C	124 Å°F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP
	@Thickness 1.65 mm	@Thickness 0.0650 in	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Surface Resistance	10000 ohm - 1e+05	10000 ohm - 1e+05	ASTM D 257

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