

SABIC Innovative Plastics LNP STAT-KON DX04403 PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP STAT-KON* DX04403 is a compound based on Polycarbonate resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive, Flame Retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DX04403-PC.php

Physical Properties	Metric	English	Comments
Density	1.253 g/cc	0.04527 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Time 86400 sec	0.0030 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0040 cm/cm @Time 86400 sec	0.0040 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	ASTM D638
	90.0 MPa	13100 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	6.3 %	6.3 %	ASTM D638
	6.3 %	6.3 %	Type I, 5 mm/min; ASTM D638
Flexural Strength	142 MPa	20600 psi	ASTM D790
	142 MPa	20600 psi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.76 J/cm	10.8 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	143 Â°C @Thickness 3.20 mm	289 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	140 Â°C @Thickness 3.20 mm	284 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
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Surface Resistance Electrical Properties	1.00e+6 - 1.00e+9 ohm Metric	1.00e+6 - 1.00e+9 ohm English	ASTM D257 Comments
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