

SABIC Innovative Plastics LNP Stat-kon NX03602 PC+ABS (Asia Pacific)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

LNP* STAT-KON* NX03602 is a compound based on PC+ABS Blend resin containing Carbon Fiber, Flame Retardant. Added features of this material include: Electrically Conductive. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-NX03602-PCABS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	ISO 527
	96.0 MPa	13900 psi	ASTM D 638
Elongation at Break	1.9 %	1.9 %	ASTM D 638
Elongation at Yield	1.9 %	1.9 %	ASTM D 638
Tensile Modulus	7.58 GPa	1100 ksi	50 mm/min; ASTM D 638
Flexural Strength	145 MPa	21000 psi	ISO 178
	145 MPa	21000 psi	ASTM D 790
Flexural Modulus	6.21 GPa	901 ksi	ASTM D 790
Izod Impact, Notched	0.370 J/cm @Temperature 23.0 Â°C	0.693 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	3.47 J/cm @Temperature 23.0 Â°C	6.50 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	25.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	13.9 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
CTE, linear, Transverse to Flow	65.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	36.1 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 Â°C @Thickness 3.20 mm	207 Â°F @Thickness 0.126 in	unannealed; ASTMD 648
Deflection Temperature at 1.8 MPa (264 psi)	92.0 Â°C @Thickness 3.20 mm	198 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 - 10000 ohm-cm	100 - 10000 ohm-cm	ASTM D 257

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