

## SABIC Innovative Plastics LNP Stat-kon NX03602 PC+ABS

Category : Polymer , Thermoplastic , ABS Polymer , 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 Americas region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Stat-kon-NX03602-PCABS.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-NX03602-PCABS.php)

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in <sup>3</sup>	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	0.693 ft-lb/in	ASTM D 256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Unnotched	3.47 J/cm	6.50 ft-lb/in	ASTM D 4812
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

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

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; ASTM D 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

## Contact Songhan Plastic Technology Co.,Ltd.

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