

SABIC Innovative Plastics LNP Stat-kon FX99030 PE (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

LNP * Stat-kon* FX99030 is a compound based on Polyethylene resin containing Carbon Powder. Added features include: Electrically Conductive. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-FX99030-PE-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Elongation at Break	200 %	200 %	50 mm/min; ISO 527
Tensile Modulus	0.200 GPa	29.0 ksi	1 mm/min; ISO 527
Flexural Yield Strength	8.00 MPa	1160 psi	2 mm/min; ISO 178
Flexural Modulus	0.200 GPa	29.0 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	45.0 kJ/m ² @Temperature 23.0 Â°C	21.4 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	65.0 kJ/m ² @Temperature 23.0 Â°C	30.9 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.0 Â°C	199 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	48.0 Â°C	118 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	10000 - 1.00e+6 ohm	10000 - 1.00e+6 ohm	ASTM D 257

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