

SABIC Innovative Plastics LNP Faradex MS003XXC PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP* Faradex* MS003XXC is a compound based on Polypropylene resin containing Stainless Steel Fiber. Added features of this material include: EMI/RFI Shielding. 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-Faradex-MS003XXC-PP-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.013 - 0.017 cm/cm	0.013 - 0.017 in/in	on tensile bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	16.0 MPa	2320 psi	50 mm/min; ISO 527
Tensile Strength, Yield	21.0 MPa	3050 psi	50 mm/min; ISO 527
Elongation at Yield	6.3 %	6.3 %	50 mm/min; ISO 527
Tensile Modulus	1.20 GPa	174 ksi	1 mm/min; ISO 527
Flexural Modulus	1.20 GPa	174 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	19.0 kJ/m ² @Temperature 23.0 °C	9.04 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	110 kJ/m ² @Temperature 23.0 °C	52.3 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	122 µm/m-°C @Temperature 23.0 - 60.0 °C	67.8 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	157 µm/m-°C @Temperature 23.0 - 60.0 °C	87.2 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
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Electrical Properties

Metric 0000 ohm

English 0000 ohm

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