

SABIC Innovative Plastics LNP Faradex KS003AI Acetal Copolymer (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Steel Filled

Material Notes:

LNP* FARADEx* KS003AI is a compound based on Acetal Copolymer resin containing Stainless Steel Fiber. Added features include; EMI/RFI Shielding, 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-Faradex-KS003AI-Acetal-Copolymer-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.028 cm/cm @Time 86400 sec	0.028 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.028 cm/cm @Time 86400 sec	0.028 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	5 mm/min; ISO 527
Elongation at Break	8.6 %	8.6 %	5 mm/min; ISO 527
Tensile Modulus	2.00 GPa	290 ksi	1 mm/min; ISO 527
Flexural Yield Strength	42.0 MPa	6090 psi	2 mm/min; ISO 178
Flexural Modulus	1.80 GPa	261 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	60.0 kJ/m ² @Temperature 23.0 °C	28.6 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Electrical Properties	Metric	English	Comments
Surface Resistance	1000 ohm - 1e+05	1000 ohm - 1e+05	ASTM D 257
Shielding Effectiveness	36 dB @Thickness 3.00 mm	36 dB @Thickness 0.118 in	SABIC Method

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