

SABIC Innovative Plastics LNP STAT-LOY KX01002 Acetal Copolymer (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

LNP* Stat-Loy* KX01002 is a compound based on Acetal Copolymer resin containing Antistat. Added features include: Permanent Anti-Static.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-KX01002-Acetal-Copolymer-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Water Absorption	4.8 % @Time 86400 sec	4.8 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.028 cm/cm	0.028 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	43.0 MPa	6240 psi	5 mm/min; ISO 527
Elongation at Yield	15.8 %	15.8 %	5 mm/min; ISO 527
Tensile Modulus	1.60 GPa	232 ksi	1 mm/min; ISO 527
Flexural Yield Strength	52.0 MPa	7540 psi	2 mm/min; ISO 178
Flexural Modulus	1.60 GPa	232 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	136 °C	277 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	64.0 °C	147 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 - 1.00e+12 ohm-cm	1.00e+10 - 1.00e+12 ohm-cm	ASTM D257
Surface Resistance	1.00e+10 - 1.00e+12 ohm	1.00e+10 - 1.00e+12 ohm	ASTM D257

Electrical Properties

Metric

English

Comments

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