

SABIC Innovative Plastics LNP STAT-KON KX97157 Acetal Copolymer (Europe-Africa-Middle East)

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

Material Notes:

LNP* STATKON* KX97157 is a compound based on Acetal resin containing Carbon. Added features include : Electrically Conductive, Impact Modified.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-KX97157-Acetal-Copolymer-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0012 cm/cm	0.0012 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	84.0 MPa	12200 psi	5 mm/min; ISO 527
Elongation at Break	0.70 %	0.70 %	5 mm/min; ISO 527
	1.7 %	1.7 %	Flexural Strain, break, 2 mm/min; ISO 178
Tensile Modulus	13.1 GPa	1900 ksi	1 mm/min; ISO 527
Flexural Strength	89.0 MPa	12900 psi	2 mm/min; ISO 178
Flexural Yield Strength	96.0 MPa	13900 psi	2 mm/min; ISO 178
Flexural Modulus	9.60 GPa	1390 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	32.0 µm/m-°C @Temperature 23.0 - 60.0 °C	17.8 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	98.0 µm/m-°C @Temperature 23.0 - 60.0 °C	54.4 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	152 °C	306 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

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