

SABIC Innovative Plastics LNP STAT-LOY KX09024 ACETAL COPOLYMER (Europe-Africa-Middle East)

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

Material Notes:

LNP* Statloy* KX09024 is a compound based on Polyacetal with reduced Resistivity. Added features include: Antistatic Properties

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-KX09024-ACETAL-COPOLYMER-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.028 cm/cm	0.028 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Elongation at Break	12 %	12 %	5 mm/min; ISO 527
Tensile Modulus	1.00 GPa	145 ksi	1 mm/min; ISO 527
Flexural Yield Strength	48.0 MPa	6960 psi	2 mm/min; ISO 178
Flexural Modulus	1.40 GPa	203 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	144 $\mu\text{m/m-}^\circ\text{C}$	80.0 $\mu\text{in/in-}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^\circ\text{C}$	@Temperature 73.4 - 140 $^\circ\text{F}$	
CTE, linear, Transverse to Flow	159 $\mu\text{m/m-}^\circ\text{C}$	88.3 $\mu\text{in/in-}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^\circ\text{C}$	@Temperature 73.4 - 140 $^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	136 $^\circ\text{C}$	277 $^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	67.0 $^\circ\text{C}$	153 $^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+8 - 1.00e+10 ohm-cm	1.00e+8 - 1.00e+10 ohm-cm	ASTM D257
Surface Resistance	1.00e+8 - 1.00e+10 ohm	1.00e+8 - 1.00e+10 ohm	ASTM D257

Electrical Properties

Metric

English

Comments

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