

SABIC Innovative Plastics LNP STAT-KON KE002 ACETAL

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

LNP* STAT-KON* KE002 is a compound based on Acetal resin containing 10% Carbon Fiber. Added feature of this material is: Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-KE002-ACETAL.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.010 - 0.030 cm/cm	0.010 - 0.030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	104 MPa	15100 psi	5 mm/min; ISO 527
	106 MPa	15400 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	5 mm/min; ISO 527
	2.4 %	2.4 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	8.22 GPa	1190 ksi	1 mm/min; ISO 527
Flexural Strength	154 MPa	22300 psi	ISO 178
	161 MPa	23400 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	7.05 GPa	1020 ksi	2 mm/min; ISO 178
Izod Impact, Notched	0.420 J/cm	0.787 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.74 J/cm	7.01 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	4.00 kJ/mÂ²	1.90 ft-lb/inÂ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	161 Â°C	322 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	100 ohm - 1e+05	100 ohm - 1e+05	ASTM D257

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