

## SABIC Innovative Plastics LNP STAT-KON KX96321 POM

Category : Polymer , Thermoplastic , Acetal (POM)

### Material Notes:

LNP\* STAT-KON\* KX96321 is a compound based on Acetal resin containing Proprietary Filler(s). 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-KX96321-POM.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-KX96321-POM.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	ASTM D792
Moisture Absorption	0.180 %	0.180 %	50% RH, 24 hrs; ASTM D570
	0.190 %	0.190 %	23 <sup>o</sup> C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	>= 0.020 cm/cm	>= 0.020 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.020 - 0.040 cm/cm	0.020 - 0.040 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	42.0 MPa	6090 psi	5 mm/min; ISO 527
	45.0 MPa	6530 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	44.0 MPa	6380 psi	5 mm/min; ISO 527
	47.0 MPa	6820 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	7.0 %	7.0 %	5 mm/min; ISO 527
	13 %	13 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	4.0 %	4.0 %	5 mm/min; ISO 527
	5.0 %	5.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	2.86 GPa	415 ksi	5 mm/min; ASTM D638
	2.90 GPa	421 ksi	1 mm/min; ISO 527
Flexural Strength	71.0 MPa	10300 psi	ISO 178
Flexural Modulus	2.60 GPa	377 ksi	2 mm/min; ISO 178

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched	0.350 J/cm	0.656 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.11 J/cm	9.57 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	5.00 kJ/m <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	31.0 kJ/m <sup>2</sup>	14.8 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	4.00 J @Temperature 23.0 Â°C	2.95 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Impact Test	1.00 J	0.738 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	104 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	57.8 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	95.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	52.8 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	141 Â°C	286 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	159 Â°C @Thickness 3.20 mm	318 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	86.0 Â°C	187 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	106 Â°C @Thickness 3.20 mm	223 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	2.0 - 5.0 ohm	2.0 - 5.0 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China