

SABIC Innovative Plastics LNP STAT-KON LX04420C PEEK

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

LNP* STAT-KON* LX04420C is a compound based on Polyetheretherketone resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive, Clean Compounding System.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-LX04420C-PEEK.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D792
	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0034 cm/cm	0.0034 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0062 cm/cm	0.0062 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	149 MPa	21600 psi	ASTM D638
	149 MPa	21600 psi	ISO 527
Tensile Strength, Yield	149 MPa	21600 psi	ASTM D638
	149 MPa	21600 psi	ISO 527
Elongation at Break	2.1 %	2.1 %	ISO 527
	2.3 %	2.3 %	ASTM D638
Elongation at Yield	2.1 %	2.1 %	ISO 527
	2.3 %	2.3 %	ASTM D638
Tensile Modulus	11.5 GPa	1670 ksi	1 mm/min; ISO 527
	11.99 GPa	1739 ksi	50 mm/min; ASTM D638

Flexural Strength Mechanical Properties	241 MPa Metric	35000 psi English	ASTM D790 Comments
	241 MPa	35000 psi	ISO 178
Flexural Modulus	10.27 GPa	1490 ksi	ISO 178
	10.79 GPa	1565 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.76 J/cm	10.8 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	13.0 kJ/m ²	6.19 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	212 kJ/m ²	101 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	2.00 J	1.48 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	39.6 µm/m-°C	22.0 µin/in-°F	ASTM E 831
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
	41.2 µm/m-°C	22.9 µin/in-°F	ISO 11359-2
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
CTE, linear, Transverse to Flow	16.2 µm/m-°C	9.00 µin/in-°F	ASTM E 831
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
	16.3 µm/m-°C	9.06 µin/in-°F	ISO 11359-2
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
Deflection Temperature at 1.8 MPa (264 psi)	246 °C	475 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	300 °C	572 °F	
	@Thickness 3.20 mm	@Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 - 1.00e+8 ohm-cm	1.00e+6 - 1.00e+8 ohm-cm	ASTM D257
Surface Resistance	1.00e+6 - 1.00e+8 ohm	1.00e+6 - 1.00e+8 ohm	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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