

LNP™ STAT-KON™ LX00797C compound

Polyetheretherketone

SABIC Innovative Plastics

Message:

LNP* STAT-KON* LX00797C is a compound based on Polyetheretherketone containing Proprietary Filler(s). Added features of this material include: Clean Compounding System, Electrically Conductive.
Also known as: LNP* STAT-KON* Compound PDX-L-00797 CCS
Product reorder name: LX00797C

General Information			
Filler / Reinforcement	Proprietary		
Features	Electrically Conductive		
	Low (to None) Ion Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Water Absorption (24 hr, 50% RH)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	155	MPa	ASTM D638
Tensile Elongation ² (Break)	2.5	%	ASTM D638
Flexural Modulus ³ (50.0 mm Span)	7930	MPa	ASTM D790
Flexural Strength ⁴ (Break, 50.0 mm Span)	195	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C)	270	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	310	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+3 to 1.0E+6	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	150	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	370 to 380	°C	
Middle Temperature	380 to 400	°C	
Front Temperature	380 to 400	°C	
Mold Temperature	175 to 190	°C	
Back Pressure	0.300 to 0.700	MPa	
Screw Speed	60 to 100	rpm	

NOTE	
1.	Type I, 5.0 mm/min
2.	Type I, 5.0 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

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Recommended distributors for this material

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