LNP™ STAT-KON™ COMPOUND LX00797C

PDX-L-00797 CCS

DESCRIPTION

LNP* STAT-KON* LX00797C is a compound based on Polyetheretherketone containing Proprietary Filler(s). Added features of this material include: ristics of this grade are: Clean Compounding System, Electrically Conductive.

TYPICAL PROPERTY VALUES

Revision 20191218

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	155	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.5	%	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	195	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	7920	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	270	J/m	ASTM D 4812
Izod Impact, notched, 23°C	53	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	310	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.39	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.1	%	ASTM D 570
ELECTRICAL			
Volume Resistivity	1000 – 1000000	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+03 – 1.E+06	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	150	°C	
Drying Time	4 – 6	hrs	
Front - Zone 3 Temperature	380 – 400	°C	
Middle - Zone 2 Temperature	380 – 400	°C	
Rear - Zone 1 Temperature	370 – 380	°C	
Mold Temperature	175 – 190	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	60 – 100	rpm	

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