



LNP™ STAT-KON™ Compound LX04420C

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PDX-L-04420 CCS

Product reorder name: LX04420C

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.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	1520	kgf/cm ²	ASTM D 638
Tensile Stress, break	1520	kgf/cm ²	ASTM D 638
Tensile Strain, yield	2.3	%	ASTM D 638
Tensile Strain, break	2.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	122300	kgf/cm ²	ASTM D 638
Flexural Stress	2460	kgf/cm ²	ASTM D 790
Flexural Modulus	110000	kgf/cm ²	ASTM D 790
Tensile Stress, yield	149	MPa	ISO 527
Tensile Stress, break	149	MPa	ISO 527
Tensile Strain, yield	2.1	%	ISO 527
Tensile Strain, break	2.1	%	ISO 527
Tensile Modulus, 1 mm/min	11500	MPa	ISO 527
Flexural Stress	241	MPa	ISO 178
Flexural Modulus	10270	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	58	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	24	cm-kgf	ASTM D 3763
Multiaxial Impact	24	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	212	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	13	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	300	°C	ASTM D 648



LNP™ STAT-KON™ Compound LX04420C

Americas: COMMERCIAL

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
THERMAL			
CTE, -40°C to 40°C, flow	3.96E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	1.62E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	4.12E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	1.63E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	246	°C	ISO 75/Af
PHYSICAL			
Density	1.36	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.6	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.34	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.62	%	ISO 294
Density	1.36	g/cm ³	ISO 1183
ELECTRICAL			
Volume Resistivity	1.E+06 - 1.E+08	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+06 - 1.E+08	Ohm	ASTM D 257



LNP™ STAT-KON™ Compound LX04420C

Americas: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
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