

LNP* Stat-kon* Compound LX04420C

Americas: COMMERCIAL

Also known as: PDX-L-04420 CCS
Product Reorder Name: LX04420C

LNP* Stat-kon* LX04420C is a compound based on Polyetheretherketone resin containing Carbon Fiber. Added features of this material include: Electrically Conductive.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, yield	149	MPa	ASTM D 638
Tensile Stress, break	149	MPa	ASTM D 638
Tensile Strain, yield	2.3	%	ASTM D 638
Tensile Strain, break	2.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	11990	MPa	ASTM D 638
Flexural Stress	241	MPa	ASTM D 790
Flexural Modulus	10790	MPa	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	576	J/m	ASTM D 4812
Izod Impact, notched, 23°C	48	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	2	J	ASTM D 3763
Multiaxial Impact	2	J	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
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	0.3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.6	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.34	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.62	%	ISO 294
Density	1.36	g/cm ³	ISO 1183
ELECTRICAL			
	Value	Unit	Standard

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

Source GMD, last updated:03/28/2006

Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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