

Product Texts

LNP STAT-KON 9X08403C compound is based on Liquid Crystal Polymer (LCP) resin containing carbon fiber. Added features of this grade include: LNP Clean Compounding Technology, High Temperature, Flame Retardant, Electrically Conductive, Good Barrier against water and oxygen.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	14800	MPa	ASTM D 638
Tensile Strength at Yield	153	MPa	ASTM D 638
Elongation at Yield	2.7	%	ASTM D 638
Flexural Modulus	14400	MPa	ASTM D 790
Flexural Strength	53	MPa	ASTM D 790
Izod Impact notched, 1/8 in	87	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	826	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	280	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1E9	Ohm	ASTM D 257
Volume Resistivity	1E9	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1460	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	1 - 3	h	-
Processing humidity	≤0.01	%	-
Melt temperature	330 - 360	°C	-
Mold temperature	65 - 110	°C	-
Zone 1	325 - 360	°C	-
Zone 2	330 - 360	°C	-
Zone 3	330 - 360	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Increased electrical conductivity, Flame retardant

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific