

Product Texts

LNP STAT-KON DX07323 compound is based on Polycarbonate (PC) resin containing stainless steel fiber. Added features of this grade include: Electrically Conductive, Impact Modified, meet ATEX requirements.

UL Yellow Card Link [E207780-101283809](https://www.ul.com/yellow-card/E207780-101283809)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	50	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	55	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.55	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.55	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	55	MPa	ISO 527
Yield strain	5	%	ISO 527
Stress at break	44	MPa	ISO 527
Strain at break	9	%	ISO 527
Flexural modulus	2400	MPa	ISO 178
Izod impact strength, +23°C, 4mm	130	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	16	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2400	MPa	ASTM D 638
Tensile Strength at Yield	55	MPa	ASTM D 638
Tensile Strength at Break	45	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	9	%	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	84	MPa	ASTM D 790
Izod Impact notched, 1/8 in	180	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	100	J/m	ASTM D 256
Temperature	-40	°C	-
Izod Impact unnotched, 1/8 in	1600	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	124	°C	ISO 75-1/-2
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	2.5	mm	-
ASTM Data			
DTUL @ 264 psi	125	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1E10	Ohm	ASTM D 257
Volume Resistivity	1E10	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1260	kg/m ³	ISO 1183
Density	1260	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	295 - 315	°C	-
Mold temperature	70 - 95	°C	-
Zone 1	270 - 295	°C	-
Zone 2	280 - 305	°C	-
Zone 3	295 - 315	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity, High impact or impact modified