

Product Texts

LNP STAT-KON DX04403 compound is based on Polycarbonate (PC) resin containing 8% carbon fiber. Added features of this grade include: Electrically Conductive, Flame Retardant.

UL Yellow Card Link [E207780-101283814](https://www.ul.com/yellow-card/E207780-101283814)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.3	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.4	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	90	MPa	ASTM D 638
Elongation at Break	6.3	%	ASTM D 638
Flexural Strength	142	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	576	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.9	mm	-
ASTM Data			
DTUL @ 66 psi	143	°C	ASTM D 648
DTUL @ 264 psi	140	°C	ASTM D 648

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

Other properties	Value	Unit	Test Standard
Density	1250	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Increased electrical conductivity, Flame retardant

Regional Availability

North America, Europe, Asia Pacific