

Product Texts

LNP STAT-KON DEF13 compound is based on Polycarbonate (PC) resin containing 5% glass fiber and 15% carbon fiber. Added features of this grade include: Electrically Conductive.

UL Yellow Card Link [E121562-101283876](https://www.ul.com/yellow-card/E121562-101283876)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12400	MPa	ISO 527
Yield stress	44	MPa	ISO 527
Stress at break	12	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus	18500	MPa	ISO 178
Flexural strength	211	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	13	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	17870	MPa	ASTM D 638
Tensile Strength at Yield	61	MPa	ASTM D 638
Tensile Strength at Break	118	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	9440	MPa	ASTM D 790
Izod Impact notched, 1/8 in	101	J/m	ASTM D 256
Izod Impact unnotched, 1/4 in	513	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn. Thickness tested	V-1	class	IEC 60695-11-10
Burning behav. at thickness h Thickness tested	V-0	class	IEC 60695-11-10
ASTM Data			
DTUL @ 66 psi	147	°C	ASTM D 648
DTUL @ 264 psi	144	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1000000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1290	kg/m ³	ISO 1183
Density	1290	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

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity