

Product Texts

LNP STAT-KON DFD029 compound is based on Polycarbonate (PC) resin containing conductive carbon powder and 10% glass fiber. Added features of this grade include: Electrically Conductive, Flame Retardant.

UL Yellow Card Link [E45329-101283855](https://www.ulprospector.com/usa/Products/101283855)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4100	MPa	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus	3700	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	6	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	141	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	147	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	45	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	68	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.8	mm	-

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

Other properties	Value	Unit	Test Standard
Density	1350	kg/m ³	ISO 1183

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