

**Product Texts**

LNP STAT-KON DD0009XP compound is based on Polycarbonate (PC) resin containing conductive carbon powder. Added features of this grade include: Electrically Conductive, Flame Retardant.

UL Yellow Card Link [E121562-101283903](https://www.ul.com/yellow-card/E121562-101283903)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.6	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.7	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Yield strain	4.7	%	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	11	%	ISO 527
Flexural modulus	2520	MPa	ISO 178
Izod impact strength, +23°C, 4mm	152	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	9	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Yield	69	MPa	ASTM D 638
Tensile Strength at Break	46	MPa	ASTM D 638
Elongation at Yield	4.7	%	ASTM D 638
Elongation at Break	13	%	ASTM D 638
Izod Impact notched, 1/8 in	136	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1630	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	131	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	139	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.7	mm	-
<b>ASTM Data</b>			
DTUL @ 66 psi	140	°C	ASTM D 648
DTUL @ 264 psi	132	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	1E10	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Humidity absorption	0.21	%	Sim. to ISO 62
Water Absorption, 24hr	0.13	%	ASTM D 570
Density	1300	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	255 - 290	°C	-
Mold temperature	40 - 65	°C	-
Zone 1	250 - 260	°C	-
Zone 2	255 - 265	°C	-
Zone 3	260 - 270	°C	-
Screw speed	30 - 60	rpm	-

Back pressure

**0.2 - 0.3**

MPa

-

**Characteristics**

**Processing**

Injection Molding

**Special Characteristics**

Increased electrical conductivity, Flame retardant

**Additives**

Flame retarding agent

**Regional Availability**

North America