

Product Texts

LNP STAT-KON DD200C compound is based on Polycarbonate (PC) resin containing conductive carbon powder and proprietary lubricant. Added features of this grade include: LNP Clean Compounding Technology, Low LPC, Low Ionics, Low Outgassing, Electrically Conductive.

UL Yellow Card Link [F207780-101260651](https://www.ul.com/yellow-card-link/F207780-101260651)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2340	MPa	ISO 527
Yield stress	53	MPa	ISO 527
Yield strain	5.2	%	ISO 527
Stress at break	53	MPa	ISO 527
Strain at break	10	%	ISO 527
Flexural modulus	2380	MPa	ISO 178
Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C, 4mm	90	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2400	MPa	ASTM D 638
Tensile Strength at Yield	53	MPa	ASTM D 638
Tensile Strength at Break	46	MPa	ASTM D 638
Elongation at Yield	5.3	%	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	87	MPa	ASTM D 790
Izod Impact notched, 1/8 in	115	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1800	J/m	ASTM D 256
Thermal properties			
ISO Data			
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	1.0	mm	-
ASTM Data			
DTUL @ 66 psi	138	°C	ASTM D 648
DTUL @ 264 psi	125	°C	ASTM D 648
Electrical properties			
ASTM Data			
Surface Resistivity	1E9	Ohm	ASTM D 257
Other properties			
Density	1200	kg/m ³	ISO 1183
Density	1220	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
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