

Product Texts

LNP STAT-KON DX10315C compound is based on Polycarbonate (PC) resin containing 15% carbon fiber. Added features of this grade include: LNP Clean Compounding Technology, Low LPC, Low Ionics, Low Outgassing, Low C18-C40 Hydrocarbons, Electrically Conductive.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	31	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	10810	MPa	ASTM D 638
Tensile Strength at Break	140	MPa	ASTM D 638
Elongation at Break	2.7	%	ASTM D 638
Flexural Modulus	9040	MPa	ASTM D 790
Flexural Strength	211	MPa	ASTM D 790
Izod Impact notched, 1/8 in	77	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	588	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	138	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	100000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1260	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 110	°C	-
Pre-drying - Time	3 - 5	h	-
Melt temperature	280 - 320	°C	-
Mold temperature	90 - 120	°C	-
Zone 1	250 - 280	°C	-
Zone 2	280 - 320	°C	-
Zone 3	280 - 320	°C	-
Screw speed	30 - 100	rpm	-
Back pressure	1 - 5	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity