

Product Texts

LNP STAT-KON DX96573C compound is based on Polycarbonate (PC) resin containing conductive carbon powder. Added features of this grade include: Electrically Conductive, LNP Clean Compounding Technology.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.74	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.85	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2910	MPa	ISO 527
Yield stress	63	MPa	ISO 527
Yield strain	4.9	%	ISO 527
Stress at break	54	MPa	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus	2770	MPa	ISO 178
Flexural strength	100	MPa	ISO 178
Izod impact strength, +23°C, 4mm	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	7.5	kJ/m ²	ISO 180/1A

ASTM Data			
Tensile Modulus	3008	MPa	ASTM D 638
Tensile Strength at Yield	64	MPa	ASTM D 638
Tensile Strength at Break	54	MPa	ASTM D 638
Elongation at Yield	4.9	%	ASTM D 638
Elongation at Break	20	%	ASTM D 638
Flexural Modulus	2890	MPa	ASTM D 790
Izod Impact notched, 1/8 in	65.8	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	131	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	142	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	142	°C	ASTM D 648
DTUL @ 264 psi	133	°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
Humidity absorption	0.23	%	Sim. to ISO 62
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1250	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	304 - 326	°C	-
Mold temperature	82 - 110	°C	-
Zone 1	293 - 304	°C	-
Zone 2	310 - 321	°C	-
Zone 3	321 - 332	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.17 - 0.34	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity