

Product Texts

LNP STAT-KON DX02437 compound is based on Polycarbonate (PC) resin containing conductive carbon powder. Added features of this grade include: Electrically Conductive, Impact Modified.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	16	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2550	MPa	ISO 527
Yield stress	58	MPa	ISO 527
Stress at break	47	MPa	ISO 527
Strain at break	16.5	%	ISO 527
Flexural modulus	2550	MPa	ISO 178
Charpy impact strength, +23°C	95	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	26	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C, 4mm	130	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	24	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2560	MPa	ASTM D 638
Tensile Strength at Yield	58	MPa	ASTM D 638
Tensile Strength at Break	47	MPa	ASTM D 638
Elongation at Break	19.3	%	ASTM D 638
Izod Impact notched, 1/8 in	359	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	2140	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	126	°C	ISO 75-1/-2
Vicat softening temperature, A	144	°C	ISO 306
ASTM Data			
DTUL @ 264 psi	111	°C	ASTM D 648
Vicat Temperature	144	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	4.8E7	Ohm	ASTM D 257
Volume Resistivity	1.41E7	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1240	kg/m ³	ASTM D 792

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

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity, High impact or impact modified