

Product Texts

LNP STAT-KON WE003ER compound is based on Polybutylene Terephthalate (PBT) resin containing 15% carbon fiber. Added features of this grade include: Easy Molding, Easy Release, Electrically Conductive.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10800	MPa	ISO 527
Stress at break	127	MPa	ISO 527
Strain at break	2.1	%	ISO 527
Flexural modulus	8800	MPa	ISO 178
Izod impact strength, +23°C, 4mm	35	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	6	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	194	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	219	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	10000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1350	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	240 - 265	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	220 - 230	°C	-
Zone 2	245 - 255	°C	-
Zone 3	260 - 270	°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