

Product Texts

LNP STAT-KON ZE004XXQ compound is based on Polyphenylene Ether / Polystyrene (PPE/PS) blend containing 20% carbon fiber. Added features of this grade include: Electrically Conductive.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14500	MPa	ISO 527
Stress at break	60	MPa	ISO 527
Strain at break	0.9	%	ISO 527
Flexural modulus	11100	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Izod impact strength, +23°C, 4mm	18	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	7	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	14200	MPa	ASTM D 638
Tensile Strength at Break	62	MPa	ASTM D 638
Elongation at Break	1	%	ASTM D 638
Flexural Modulus	11300	MPa	ASTM D 790
Izod Impact notched, 1/8 in	65	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	250	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	135	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	141	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	139	°C	ASTM D 648
DTUL @ 264 psi	135	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1000000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1500	kg/m ³	ISO 1183
Water Absorption, 24hr	0.02	%	ASTM D 570
Density	1500	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Melt temperature	300 - 305	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	275 - 290	°C	-
Zone 2	290 - 300	°C	-
Zone 3	300 - 310	°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