

Product Texts

LNP STAT-KON ZEL34XXC compound is based on Polyphenylene Ether / Polystyrene (PPE/PS) blend containing 20% carbon fiber, 15% PTFE. Added features of this grade include: : Electrically Conductive , Internally Lubricated, Wear Resistant.

UL Yellow Card Link [E45329-101343842](https://www.ul.com/yellow-card/E45329-101343842)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10600	MPa	ISO 527
Stress at break	83	MPa	ISO 527
Strain at break	1.4	%	ISO 527
Flexural modulus	8100	MPa	ISO 178
Izod impact strength, +23°C, 4mm	15	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	121	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	127	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	18	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	66	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thicken.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

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

Other properties	Value	Unit	Test Standard
Density	1230	kg/m ³	ISO 1183

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