

**Product Texts**

LNP STAT-KON UC1200 compound is based on Polyetherimide (PEI) resin containing 12% carbon fiber. Added features of this grade include: Electrically Conductive.

UL Yellow Card Link [E121562-221123](https://www.ul.com/yellow-card/E121562-221123)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	7.5	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	8130	MPa	ASTM D 638
Tensile Strength at Yield	131	MPa	ASTM D 638
Tensile Strength at Break	131	MPa	ASTM D 638
Elongation at Yield	5.1	%	ASTM D 638
Elongation at Break	5.1	%	ASTM D 638
Flexural Modulus	7830	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	416	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
DTUL @ 66 psi	213	°C	ASTM D 648
DTUL @ 264 psi	208	°C	ASTM D 648
Vicat Temperature	214	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	200000	Ohm	ASTM D 257
Volume Resistivity	400	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1320	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	380 - 425	°C	-
Mold temperature	135 - 165	°C	-
Zone 1	360 - 405	°C	-
Zone 2	370 - 420	°C	-
Zone 3	380 - 425	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity