

**Product Texts**

LNP STAT-KON OE008A compound is based on Polyphenylene Sulfide (PPS) branched resin containing 40% carbon fiber. Added features of this grade include: Electrically Conductive.

UL Yellow Card Link [E121562-102581048](https://www.ul.com/yellow-card/E121562-102581048)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Stress at break	<b>179</b>	MPa	ISO 527
Strain at break	<b>0.7</b>	%	ISO 527
Flexural modulus	<b>30300</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>25</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	<b>6</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Break	<b>180</b>	MPa	ASTM D 638
Elongation at Break	<b>0.9</b>	%	ASTM D 638
Flexural Modulus	<b>27160</b>	MPa	ASTM D 790
Flexural Strength	<b>262</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>37</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>480</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.0</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>1000</b>	Ohm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1490</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>1490</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120 - 150</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Melt temperature	<b>315 - 320</b>	°C	-
Mold temperature	<b>140 - 165</b>	°C	-
Zone 1	<b>305 - 315</b>	°C	-
Zone 2	<b>320 - 330</b>	°C	-
Zone 3	<b>330 - 345</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity