

**LNP™ STAT-KON™ Compound DEL34E**

(PC+PTFE)-CD20

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

LNP LUBRICOMP DEL34E compound is based on Polycarbonate (PC) resin containing 15% PTFE, 20% carbon fiber. Added features of this grade include: Wear Resistant, Electrically Conductive.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Elongation at Break	<b>2.2</b>	%	ASTM D 638
Flexural Modulus	<b>12500</b>	MPa	ASTM D 790
Flexural Strength	<b>214</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>86</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>410</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>137</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>143</b>	°C	ISO 75-1/-2

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>10000</b>	Ohm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1380</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>305 - 325</b>	°C	-
Mold temperature	<b>80 - 110</b>	°C	-
Zone 1	<b>295 - 305</b>	°C	-
Zone 2	<b>310 - 320</b>	°C	-
Zone 3	<b>320 - 330</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Additives**

Lubricants

**Special Characteristics**

Increased electrical conductivity

**Applications**

Building Construction, Electrical and Electronical, Sports Equipment

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America