

**LNP™ STAT-LOY™ Compound 63000CTC**

(PC+Polyester)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

LNP STAT-LOY 63000CTC compound is based on Polycarbonate / Polyester alloy containing proprietary additives suitable for advanced semiconductor packaging applications. Added features of this grade include: LNP Clean Compounding Technology, Permanently Anti-Static, Translucent.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>1190</b>	MPa	ISO 527
Yield stress	<b>34</b>	MPa	ISO 527
Strain at break	<b>50</b>	%	ISO 527
Flexural modulus	<b>1150</b>	MPa	ISO 178
<b>ASTM Data</b>			
Tensile Modulus	<b>1170</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>35</b>	MPa	ASTM D 638
Elongation at Break	<b>200</b>	%	ASTM D 638
Flexural Modulus	<b>1170</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>580</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Coeff. of linear therm. expansion, parallel	<b>120</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>140</b>	E-6/K	ISO 11359-1/-2

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>4E11</b>	Ohm	ASTM D 257
Volume Resistivity	<b>3E11</b>	Ohm*cm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Humidity absorption	<b>0.7</b>	%	Sim. to ISO 62
Density	<b>1160</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>90 - 95</b>	°C	-
Pre-drying - Time	<b>6 - 8</b>	h	-
Melt temperature	<b>230 - 250</b>	°C	-
Mold temperature	<b>40 - 50</b>	°C	-
Zone 1	<b>220 - 230</b>	°C	-
Zone 2	<b>225 - 240</b>	°C	-
Zone 3	<b>230 - 250</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific