

**LNP™ STAT-LOY™ Compound 63000CT**

(PC+Polyester)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

LNP STAT-LOY 63000CT 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.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	16	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1180	MPa	ISO 527
Yield stress	34	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	1140	MPa	ISO 178
<b>ASTM Data</b>			
Tensile Modulus	1160	MPa	ASTM D 638
Tensile Strength at Yield	35	MPa	ASTM D 638
Elongation at Break	200	%	ASTM D 638
Flexural Modulus	1160	MPa	ASTM D 790
Izod Impact notched, 1/8 in	580	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	68	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	5E12	Ohm	ASTM D 257
Volume Resistivity	5E12	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Humidity absorption	0.7	%	Sim. to ISO 62
Density	1160	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 95	°C	-
Pre-drying - Time	6 - 8	h	-
Melt temperature	230 - 250	°C	-
Mold temperature	40 - 50	°C	-
Zone 1	220 - 230	°C	-
Zone 2	225 - 240	°C	-
Zone 3	230 - 250	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific