

**LNP™ STAT-LOY™ Compound NX03583**

(PC+ABS)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

LNP STAT-LOY NX03583 compound is based on Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend containing proprietary fillers. Added features of this grade include: Permanently Anti-Static, Non-Brominated & Non-Chlorinated Flame Retardant.

UL Yellow Card Link [E207780-101345234](https://www.ulprospector.com/usa/Products/207780-101345234)

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	2150	MPa	ASTM D 638
Tensile Strength at Yield	56	MPa	ASTM D 638
Tensile Strength at Break	49	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2150	MPa	ASTM D 790
Flexural Strength	84	MPa	ASTM D 790
Izod Impact notched, 1/8 in	640	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn. Thickness tested	V-0 1.5	class mm	IEC 60695-11-10 -
<b>ASTM Data</b>			
DTUL @ 264 psi	99	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	1E12	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1260	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	200 - 230	°C	-
Mold temperature	40 - 55	°C	-
Zone 1	200 - 210	°C	-
Zone 2	210 - 220	°C	-
Zone 3	220 - 230	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant

**Additives**

Flame retarding agent

**Regional Availability**

North America, Europe, Asia Pacific