

**Product Texts**

LNP STAT-LOY A3000 compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing proprietary fillers. Added features of this grade include: Permanently Anti-Static.

UL Yellow Card Link [E121562-101282713](https://www.ulprospector.com/abs/121562-101282713)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	19	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.4	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.5	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2010	MPa	ISO 527
Yield stress	38	MPa	ISO 527
Yield strain	3	%	ISO 527
Stress at break	31	MPa	ISO 527
Strain at break	24.2	%	ISO 527
Flexural modulus	1980	MPa	ISO 178
Flexural strength	59	MPa	ISO 178
Izod impact strength, +23°C, 4mm	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	20	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2060	MPa	ASTM D 638
Tensile Strength at Yield	39	MPa	ASTM D 638
Tensile Strength at Break	36	MPa	ASTM D 638
Elongation at Yield	3.1	%	ASTM D 638
Elongation at Break	6	%	ASTM D 638
Flexural Modulus	2090	MPa	ASTM D 790
Izod Impact notched, 1/8 in	282	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	76	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	91	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	93.4	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	101	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
DTUL @ 66 psi	88	°C	ASTM D 648
DTUL @ 264 psi	76	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	1E11	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1060	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	1.08	%	ASTM D 570
Density	1060	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>70 - 80</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Melt temperature	<b>200 - 210</b>	°C	-
Mold temperature	<b>10 - 50</b>	°C	-
Zone 1	<b>180 - 195</b>	°C	-
Zone 2	<b>195 - 205</b>	°C	-
Zone 3	<b>205 - 215</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