

Product Texts

LNP STAT-LOY A3000XXP compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing proprietary fillers. Added features of this grade include: Permanently Anti-Static.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	19	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1800	MPa	ISO 527
Yield stress	40	MPa	ISO 527
Yield strain	3.6	%	ISO 527
Nominal strain at break	17.9	%	ISO 527
Stress at break	27	MPa	ISO 527
Flexural modulus	1800	MPa	ISO 178
Flexural strength	56	MPa	ISO 178
Izod impact strength, +23°C, 4mm	135	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	12	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	1900	MPa	ASTM D 638
Tensile Strength at Yield	40	MPa	ASTM D 638
Tensile Strength at Break	27	MPa	ASTM D 638
Elongation at Yield	3.7	%	ASTM D 638
Flexural Modulus	1900	MPa	ASTM D 790
Izod Impact notched, 1/8 in	91	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1070	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	81	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	92	°C	ISO 75-1/-2
Vicat softening temperature, B	94	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	95	°C	ISO 306
Coeff. of linear therm. expansion, parallel	100	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110	E-6/K	ISO 11359-1/-2
ASTM Data			
DTUL @ 66 psi	90	°C	ASTM D 648
DTUL @ 264 psi	75	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1E12	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	200 - 210	°C	-
Mold temperature	10 - 50	°C	-
Zone 1	180 - 195	°C	-
Zone 2	195 - 205	°C	-
Zone 3	205 - 215	°C	-

LNP™ STAT-LOY™ Compound A3000XXP

ABS

Saudi Basic Industries Corporation (SABIC)

Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific