

Product Texts

LNP STAT-LOY M3000 compound is based on unfilled Polypropylene (PP) resin containing proprietary fillers. Added features of this grade include: Permanently Anti-Static.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1350	MPa	ISO 527
Yield stress	28	MPa	ISO 527
Yield strain	7.4	%	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	1200	MPa	ISO 178
Izod impact strength, +23°C, 4mm	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	59	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	121	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	151	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1E11	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	950	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	190 - 200	°C	-
Mold temperature	30 - 50	°C	-
Zone 1	180 - 195	°C	-
Zone 2	195 - 205	°C	-
Zone 3	200 - 210	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe