

**Product Texts**

LNP STAT-LOY YX02589C compound is based on Polyester Elastomer resin containing proprietary fillers. Added features of this grade include: Permanently Anti-Static, LNP Clean Compounding Technology.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.61	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.65	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	40	MPa	ISO 527
Yield stress	6	MPa	ISO 527
Yield strain	162	%	ISO 527
Flexural modulus	40	MPa	ISO 178
Flexural strength	2	MPa	ISO 178
<b>ASTM Data</b>			
Tensile Modulus	30	MPa	ASTM D 638
Tensile Strength at Yield	6	MPa	ASTM D 638
Elongation at Yield	71.4	%	ASTM D 638
Flexural Modulus	40	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	245	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	289	E-6/K	ASTM D 696

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	1E13	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Humidity absorption	8.5	%	Sim. to ISO 62
Water Absorption, 24hr	5.5	%	ASTM D 570
Density	1080	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	≤0.1	%	-
Melt temperature	215 - 240	°C	-
Mold temperature	25 - 55	°C	-
Zone 1	180 - 195	°C	-
Zone 2	205 - 215	°C	-
Zone 3	225 - 240	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific