

Product Texts

LNP STAT-LOY A30009 compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing proprietary fillers. Added features of this grade include: Permanently Anti-Static, Flame Retardant.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.8	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.9	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1720	MPa	ISO 527
Yield stress	32	MPa	ISO 527
Yield strain	3.5	%	ISO 527
Stress at break	28	MPa	ISO 527
Strain at break	15.2	%	ISO 527
Flexural modulus	2000	MPa	ISO 178
Flexural strength	47	MPa	ISO 178
Izod impact strength, +23°C, 4mm	141	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	11	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2060	MPa	ASTM D 638
Tensile Strength at Yield	32	MPa	ASTM D 638
Tensile Strength at Break	24	MPa	ASTM D 638
Elongation at Yield	3.8	%	ASTM D 638
Elongation at Break	35.8	%	ASTM D 638
Flexural Modulus	2060	MPa	ASTM D 790
Flexural Strength	41	MPa	ASTM D 790
Izod Impact notched, 1/8 in	133	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1700	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	94	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	95	°C	ASTM D 648
DTUL @ 264 psi	81	°C	ASTM D 648

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

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ISO 1183
Water Absorption, 24hr	2.3	%	ASTM D 570
Density	1210	kg/m ³	ASTM D 792

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	-

LNP™ STAT-LOY™ Compound A30009 - Asia

ABS

Saudi Basic Industries Corporation (SABIC)

Zone 2	195 - 205	°C	-
Zone 3	205 - 215	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Flame retardant

Regional Availability

Asia Pacific