

# LNPTM STAT-LOYTM COMPOUND M3000

M  
REGION EUROPE

## DESCRIPTION

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

GENERAL INFORMATION	
Features	Antistatic, No PFAS intentionally added
Fillers	Unreinforced
Polymer Types	Polypropylene, Unspecified (PP, Unspecified)
Processing Techniques	Injection Molding
INDUSTRY	SUB INDUSTRY
Electrical and Electronics	Electronic Components
Industrial	Material Handling

## TYPICAL PROPERTY VALUES

Revision 20241028

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>MECHANICAL <sup>(1)</sup></b>			
Tensile Stress, yield, 50 mm/min	28	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	7.4	%	ISO 527
Tensile Strain, break, 50 mm/min	>100	%	ISO 527
Tensile Modulus, 1 mm/min	1350	MPa	ISO 527
Flexural Stress, break, 2 mm/min	34	MPa	ISO 178
Flexural Modulus, 2 mm/min	1200	MPa	ISO 178
<b>IMPACT <sup>(1)</sup></b>			
Izod Impact, unnotched 80*10*4 +23°C	NB	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	10	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL <sup>(1)</sup></b>			
CTE, 23°C to 60°C, flow	1.21E-04	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.51E-04	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	59	°C	ISO 75/Af
<b>PHYSICAL <sup>(1)</sup></b>			
Density	0.95	g/cm <sup>3</sup>	ISO 1183
<b>ELECTRICAL <sup>(1)</sup></b>			
Surface Resistivity <sup>(2)</sup>	1.E+09 – 1.E+11	Ω	ASTM D257
<b>INJECTION MOLDING <sup>(3)</sup></b>			
Drying Temperature	70 – 80	°C	
Drying Time	4	Hrs	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Melt Temperature	190 – 200	°C	
Front - Zone 3 Temperature	200 – 210	°C	
Middle - Zone 2 Temperature	195 – 205	°C	
Rear - Zone 1 Temperature	180 – 195	°C	
Mold Temperature	30 – 50	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

- (1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.
- (2) Measurement meets requirements as specified in ASTM D4496.
- (3) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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