

## SABIC Innovative Plastics LNP STAT-LOY M3000C PP

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

LNP\* STAT-LOY\* M3000C is a compound based on unfilled Polypropylene resin. Added features of this grade include: Clean Compound System, Antistat.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-LOY-M3000C-PP.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-M3000C-PP.php)

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in <sup>3</sup>	ASTM D792
	0.930 g/cc	0.0336 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	0.160 %	0.160 %	50% RH, 24 hrs; ASTM D570
	0.160 %	0.160 %	23 <sup>o</sup> C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	>= 0.020 cm/cm	>= 0.020 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	18.0 MPa	2610 psi	Type I, 5 mm/min; ASTM D638
	24.0 MPa	3480 psi	5 mm/min; ISO 527
Elongation at Break	689 %	689 %	Type I, 5 mm/min; ASTM D638
	690 %	690 %	5 mm/min; ISO 527
Tensile Modulus	0.760 GPa	110 ksi	50 mm/min; ASTM D638
	1.18 GPa	171 ksi	1 mm/min; ISO 527
Flexural Strength	24.0 MPa	3480 psi	1.3 mm/min, 50 mm span; ASTM D790
	38.0 MPa	5510 psi	ISO 178
Flexural Modulus	0.860 GPa	125 ksi	1.3 mm/min, 50 mm span; ASTM D790
	1.96 GPa	284 ksi	2 mm/min; ISO 178
Izod Impact, Notched	0.750 J/cm	1.41 ft-lb/in	ASTM D256

Izod Impact Notched (ISO) Mechanical Properties	Metric	English	80*10*4-ISO 180/1A Comments
Dart Drop, Total Energy	29.0 J @Temperature 23.0 Â°C	21.4 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Impact Test	25.0 J	18.4 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	128 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	71.1 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	131 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	72.8 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	75.0 Â°C	167 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	74.0 Â°C @Thickness 3.20 mm	165 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	49.0 Â°C	120 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	49.0 Â°C @Thickness 3.20 mm	120 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+10 - 1.00e+12 ohm	1.00e+10 - 1.00e+12 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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