

SABIC Innovative Plastics LNP STAT-LOY M3000 PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP* Stat-loy* M3000 is a compound based on Polypropylene resin. Added features of this material include: Antistat, High Impact.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-M3000-PP-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	8.00 MPa	1160 psi	50 mm/min; ISO 527
Tensile Strength, Yield	28.0 MPa	4060 psi	50 mm/min; ISO 527
Elongation at Break	>= 100 %	>= 100 %	50 mm/min; ISO 527
Elongation at Yield	7.4 %	7.4 %	50 mm/min; ISO 527
Tensile Modulus	1.10 GPa	160 ksi	1 mm/min; ISO 527
Flexural Strength	34.0 MPa	4930 psi	2 mm/min; ISO 178
Flexural Modulus	1.20 GPa	174 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	121 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	67.2 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	151 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	83.9 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	59.0 $\text{Å}^\circ\text{C}$	138 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Åf

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+9 - 1.00e+12 ohm	1.00e+9 - 1.00e+12 ohm	ASTM D257

Electrical Properties

Metric

English

Comments

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