

SABIC Innovative Plastics LNP STAT-LOY P3000U PA 6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP* Stat-loy* P3000U is a compound based on PA 6 resin. Added features include; Antistatic, UV - Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-P3000U-PA-6-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ISO 1183
Water Absorption	6.3 % @Time 86400 sec	6.3 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	44.0 MPa	6380 psi	50 mm/min; ISO 527
Tensile Strength, Yield	56.0 MPa	8120 psi	50 mm/min; ISO 527
Elongation at Yield	3.6 %	3.6 %	50 mm/min; ISO 527
Flexural Yield Strength	59.0 MPa	8560 psi	2 mm/min; ISO 178
Flexural Modulus	1.80 GPa	261 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 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
Deflection Temperature at 0.46 MPa (66 psi)	162 Â°C	324 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Â°C	131 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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

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