

SABIC Innovative Plastics LNP STAT-LOY AF3029U ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP* STAT-LOY* AF3029U is a compound based on Acrylonitrile Butadiene resin containing Glass Fiber, Flame Retardant, Proprietary filler.
Added features include: Antistatic, UV-Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-AF3029U-ABS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Water Absorption	8.5 %	8.5 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	43.0 MPa	6240 psi	5 mm/min; ISO 527
Elongation at Break	2.4 %	2.4 %	5 mm/min; ISO 527
Tensile Modulus	3.40 GPa	493 ksi	1 mm/min; ISO 527
Flexural Yield Strength	65.0 MPa	9430 psi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	20.0 kJ/m ²	9.52 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	48.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	26.7 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	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	124 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	68.9 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	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)	92.0 $\text{Å}^\circ\text{C}$	198 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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

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