

SABIC Innovative Plastics LNP STAT-LOY ZF3021 PPE+PS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS)

Material Notes:

LNP* STAT-LOY* ZF3021 is a compound based on PPE + PS Blend resin containing Glass Fiber. Added features include Antistatic, Flame Retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-ZF3021-PPEPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0060 cm/cm	0.0010 - 0.0060 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	127 MPa	18400 psi	5 mm/min; ISO 527
Elongation at Break	5.0 %	5.0 %	5 mm/min; ISO 527
Tensile Modulus	4.20 GPa	609 ksi	1 mm/min; ISO 527
Flexural Yield Strength	132 MPa	19100 psi	2 mm/min; ISO 178
Flexural Modulus	4.00 GPa	580 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	141 Â°C	286 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Vicat Softening Point	152 Â°C	306 Â°F	Rate B/120; ISO 306
Flammability, UL94	V-1 @Thickness 1.50 mm	V-1 @Thickness 0.0591 in	UL 94 by SABIC-IP

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	ASTM D257
Dielectric Strength	17.5 kV/mm @Thickness 3.20 mm	445 kV/in @Thickness 0.126 in	in oil; IEC 60243-1

Electrical Properties	27.2 kV/mm Metric	691 kV/in English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	IEC 60112 D149
Comparative Tracking Index	175 V	175 V	IEC 60112

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