

LNP™ STAT-LOY™ ZF3021 compound

Polyphenylene Ether + PS

SABIC Innovative Plastics Europe

Message:

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

Also known as: LNP* STAT-LOY* Compound ZF300211

Product reorder name: ZF3021

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Antistatic		
Features	Antistatic		
	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4200	MPa	ISO 527-2/1
Tensile Stress (Yield)	127	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	%	ISO 527-2/5
Flexural Modulus ¹	4000	MPa	ISO 178
Flexural Stress	132	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	141	°C	ISO 75-2/Af
Vicat Softening Temperature	152	°C	ISO 306/B120
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	ASTM D257
Dielectric Strength			
1.60 mm, in Oil	27	kV/mm	ASTM D149
3.20 mm, in Oil	18	kV/mm	IEC 60243-1
Comparative Tracking Index	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, Testing by SABIC)	V-1		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	82.2	°C
Drying Time	4.0	hr
Rear Temperature	254 to 266	°C
Middle Temperature	260 to 271	°C
Front Temperature	266 to 277	°C
Processing (Melt) Temp	277 to 293	°C
Mold Temperature	60.0 to 93.3	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

- | | |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 80*10*4 |
| 3. | 80*10*4 |
| 4. | 80*10*4 mm |

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