



LNP™ STAT-LOY™ Compound ZF3021

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ STAT-LOY™ Compound ZF300211
Product reorder name: ZF3021

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	127	MPa	ISO 527
Tensile Strain, break, 5 mm/min	5	%	ISO 527
Tensile Modulus, 1 mm/min	4200	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	132	MPa	ISO 178
Flexural Modulus, 2 mm/min	4000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	30	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
THERMAL			
Vicat Softening Temp, Rate B/120	152	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	141	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.1 - 0.6	%	SABIC Method
Density	1.16	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+13	Ohm	ASTM D 257
Dielectric Strength, in oil, 1.6 mm	27.2	kV/mm	ASTM D 149
Dielectric Strength, in oil, 3.2 mm	17.5	kV/mm	IEC 60243-1
Comparative Tracking Index	175	V	IEC 60112
FLAME CHARACTERISTICS			
UL Compliant, 94V-1 Flame Class Rating (3)(4)	1.5	mm	UL 94 by SABIC-IP



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	275 - 295	°C
Front - Zone 3 Temperature	265 - 275	°C
Middle - Zone 2 Temperature	260 - 270	°C
Rear - Zone 1 Temperature	255 - 265	°C
Mold Temperature	60 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm