

LNP™ STAT-LOY™ P3000U compound

Polyamide 6

SABIC Innovative Plastics Europe

Message:

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

Also known as: LNP* STAT-LOY* Compound P-UV NAT

Product reorder name: P3000U

General Information			
Additive	Antistatic		
	UV Stabilizer		
Features	Antistatic		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.80	%	Internal Method
Water Absorption (23°C, 24 hr)	6.3	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	56.0	MPa	
Break	44.0	MPa	
Tensile Strain (Yield)	3.6	%	ISO 527-2/50
Flexural Modulus ¹	1800	MPa	ISO 178
Flexural Stress	59.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	9.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	162	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	55.0	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+12	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	249 to 260	°C	
Middle Temperature	266 to 277	°C	

Front Temperature	277 to 288	°C
Processing (Melt) Temp	266 to 277	°C
Mold Temperature	82.2 to 93.3	°C
Back Pressure	0.344 to 0.689	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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