

LNP™ STAT-LOY™ KX01002 compound

Acetal (POM) Copolymer
SABIC Innovative Plastics Europe

Message:

LNP STAT-LOY KX01002 is a compound based on Acetal Copolymer resin containing Antistat. Added features include: Permanent Anti-Static.

General Information			
Additive	Antistatic		
Features	Antistatic		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage - Flow	2.8	%	Internal Method
Water Absorption (23°C, 24 hr)	4.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2/1
Tensile Stress (Yield)	43.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	16	%	ISO 527-2/5
Flexural Modulus ¹	1600	MPa	ISO 178
Flexural Stress	52.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	14	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	136	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	64.0	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+10 to 1.0E+12	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	177 to 188	°C	
Middle Temperature	188 to 199	°C	
Front Temperature	199 to 210	°C	
Processing (Melt) Temp	193 to 204	°C	
Mold Temperature	71.1 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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