

LNP™ STAT-LOY™ W3000XXJ compound

Polybutylene Terephthalate

SABIC Innovative Plastics

Message:

LNP STAT-LOY W3000XXJ is a compound based on PBT. Added features of this grade include: Anti-Stat, Colorable, Healthcare

Also known as: LNP* STAT-LOY* Compound W3000XXJ

Product reorder name: W3000XXJ

General Information			
Additive	Antistatic		
Features	Antistatic		
	Good Colorability		
Uses	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	2.0 to 4.0	%	
Across Flow : 24 hr	2.0 to 4.0	%	
Water Absorption			
24 hr, 50% RH	0.23	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.37	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	1930	MPa	ASTM D638
--	1890	MPa	ISO 527-2/1
Tensile Strength			
Break ²	41.0	MPa	ASTM D638
Break	42.0	MPa	ISO 527-2/5
Tensile Strain			
Yield	8.5	%	ISO 527-2/5
Break ³	4.3	%	ASTM D638
Break	9.6	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁴	1940	MPa	ASTM D790
-- ⁵	1890	MPa	ISO 178
Flexural Stress	61.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	61	J/m	ASTM D256

23°C ⁶	5.7	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	1400	J/m	ASTM D4812
23°C ⁷	90	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	3.70	J	ASTM D3763
--	0.800	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	157	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁸	139	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	55.0	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁹	54.0	°C	ISO 75-2/Af
CLTE			ASTM D696
Flow : -30 to 30°C	1.2E-4	cm/cm/°C	
Transverse : -30 to 30°C	1.3E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+11 to 1.0E+13	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	204 to 216	°C	
Middle Temperature	216 to 227	°C	
Front Temperature	221 to 232	°C	
Processing (Melt) Temp	221 to 232	°C	
Mold Temperature	10.0 to 48.9	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	1.3 mm/min		
5.	2.0 mm/min		
6.	80*10*4		
7.	80*10*4		
8.	80*10*4 mm		
9.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT