

LNP™ STAT-LOY™ SLDM2005 compound

Polycarbonate

SABIC Innovative Plastics Asia Pacific

Message:

Antistatic Polycarbonate, Non Halogen FR V-2 grade, mineral 5% filled

General Information			
UL YellowCard	E207780-228455		
Filler / Reinforcement	Mineral,5.0% Filler by Weight		
Features	Antistatic		
	Flame Retardant		
	Halogen Free		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	17	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	0.60	%	
Equilibrium, 23°C, 50% RH	0.030	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2830	MPa	ASTM D638
--	2600	MPa	ISO 527-2/1
Tensile Strength			
Yield ²	54.0	MPa	ASTM D638
Yield	53.0	MPa	ISO 527-2/5
Break ³	46.0	MPa	ASTM D638
Break	46.0	MPa	ISO 527-2/5
Tensile Elongation			
Yield ⁴	4.0	%	ASTM D638
Yield	4.0	%	ISO 527-2/5
Break ⁵	72	%	ASTM D638
Break	46	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁶	2350	MPa	ASTM D790
-- ⁷	2630	MPa	ISO 178
Flexural Stress			

--	88.0	MPa	ISO 178
Yield, 50.0 mm Span ⁸	84.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	99.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (2.00 mm, Testing by SABIC)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	4.0 to 6.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Max Moisture	0.040	%	
Suggested Shot Size	30 to 80	%	
Rear Temperature	220 to 245	°C	
Middle Temperature	220 to 255	°C	
Front Temperature	230 to 260	°C	
Nozzle Temperature	230 to 260	°C	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	30.0 to 70.0	°C	
Back Pressure	0.300 to 0.700	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.38 to 0.76	mm	
NOTE			
1.	5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	Type I, 5.0 mm/min		
5.	Type I, 5.0 mm/min		
6.	1.3 mm/min		
7.	2.0 mm/min		
8.	1.3 mm/min		

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.

Recommended distributors for this material

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

