

LNP™ STAT-LOY™ SLWM2105 compound

Polycarbonate + PBT

SABIC Innovative Plastics Asia Pacific

Message:

Anti-static PBT/PC blend, mineral 5% filled product

General Information			
Filler / Reinforcement	Mineral,5.0% Filler by Weight		
Additive	Antistatic		
Features	Antistatic		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/1.2 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.5 to 1.8	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2420	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield ²	46.5	MPa	
Break ³	46.5	MPa	
Tensile Elongation ⁴			Internal Method
Yield	20	%	
Break	20	%	
Flexural Modulus ⁵ (50.0 mm Span)	2300	MPa	ASTM D790
Flexural Strength ⁶ (Yield, 50.0 mm Span)	77.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	41	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	161	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	9.0E+12	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	220 to 240	°C	
Middle Temperature	230 to 250	°C	
Front Temperature	240 to 260	°C	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	230 to 260	°C	

Mold Temperature	30.0 to 60.0	°C
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NOTE		
1.	5.0 mm/min	
2.	Type I, 50 mm/min	
3.	Type I, 5.0 mm/min	
4.	Type I, 10 mm/min	
5.	1.3 mm/min	
6.	1.3 mm/min	

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