

Latilub 67-10STE21 G/20

Polyamide 66

LATI S.p.A.

Message:

Self-lubricating product based on Polyamide 66 (PA 66), toughened.

Silicone / PTFE. Toughened. Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Impact Modifier		
	PTFE + Silicone Lubricant		
Features	Impact Modified		
	Self Lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.0 to 1.3	%	
Flow : 2.00 mm	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	90.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	2.5	%	
Break, 23°C	3.5	%	
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.21		
vs. Itself - Static	0.25		
Wear Factor	2.40E-9	(m ³ /h)/(N·m·h)	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	65	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	160	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	245	°C	ISO 75-2/B
1.8 MPa, Unannealed	205	°C	ISO 75-2/A
Vicat Softening Temperature	230	°C	ISO 306/B50
Injection	Nominal Value	Unit	

Drying Temperature	90.0 to 100	°C
Drying Time	3.0	hr
Processing (Melt) Temp	270 to 300	°C
Mold Temperature	60.0 to 80.0	°C
Injection Rate	Moderate	

NOTE

1. at 60 Mpa of cavity pressure

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