

Latilub 66-10T G/30-V0KB1

Polyamide 66

LATI S.p.A.

Message:

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

PTFE. Glass fibres. UL94 V-0 classified, with red phosphorous.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
	PTFE Lubricant		
Features	Flame Retardant		
	Self Lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.75 to 1.0	%	
Flow : 2.00 mm	0.35 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9900	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	165	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.9	%	ISO 527-2/5
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.30		
vs. Itself - Static	0.35		
Wear Factor	2.10E-9	(m ³ /h)/(N·m·h)	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	110	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	265	°C	ISO 75-2/B
1.8 MPa, Unannealed	255	°C	ISO 75-2/A
Vicat Softening Temperature	250	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-0		

1.50 mm	V-0	
3.00 mm	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
1.00 mm	960	°C
2.00 mm	960	°C
Glow Wire Ignition Temperature		IEC 60695-2-13
1.00 mm	825	°C
2.00 mm	825	°C
Injection	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	3.0	hr
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	70.0 to 100	°C
Injection Rate	Moderate	
NOTE		
1.	at 60 Mpa of cavity pressure	

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