

LATILUB 66-10T G/30-V0KB1

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*

General Information

Product Description

Self-lubricating product based on Polyamide 66 (PA 66). PTFE. Glass fibres. Flame retardant, UL94 V-0 class, with red phosphorous.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber		
Additive	• Flame Retardant	• PTFE Lubricant	
Features	• Flame Retardant	• Lubricated	• Self Lubricating

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.43	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.75 to 1.1	%	
Flow : 0.0787 in	0.40 to 0.65	%	
Water Absorption ³ (Saturation, 73°F)	1.7	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.42E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	23200	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.6	%	ISO 527-2/5
Coefficient of Friction ⁴			Internal Method
Dynamic	0.36		
Static	0.32		
Wear Factor ⁵	450	10 ⁻⁴ -10 in ³ ·min/ft·lb·hr	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	29	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	491	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	464	°F	ISO 75-2/A
Vicat Softening Temperature	473	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.3E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	510	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in	V-0		
0.06 in	V-0		
0.12 in	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
0.04 in	1760	°F	
0.08 in	1760	°F	
Glow Wire Ignition Temperature			IEC 60695-2-13



0.04 in	1520 °F
0.08 in	1520 °F

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² 60 MPa
- ³ in air
- ⁴ ISO 7148-2 (speed 0.126 m/s, load 10N)
- ⁵ ISO 7148-2 (speed 0.126 m/s, load 10N, path length 13.6km)

