

**LATILUB 66-01M G/30**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*
**General Information**
**Product Description**

Self-lubricating product based on Polyamide 66 (PA 66). Molybdenum dysulphide. Glass fibres. PFAS-free product.

**General**

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

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.38	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.75 to 1.1	%	
Flow : 0.0787 in	0.35 to 0.65	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	1.9	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.49E+6	psi	
140°F	1.03E+6	psi	
194°F	682000	psi	
248°F	667000	psi	
302°F	609000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	26100	psi	
Break, 140°F	18900	psi	
Break, 194°F	14500	psi	
Break, 248°F	11600	psi	
Break, 302°F	10900	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	3.1	%	
Break, 140°F	4.1	%	
Break, 194°F	5.7	%	
Break, 248°F	5.8	%	
Break, 302°F	5.8	%	
Coefficient of Friction <sup>4</sup>			Internal Method
Dynamic	0.42		
Static	0.40		
Wear Factor <sup>5</sup>	740	10 <sup>-10</sup> in <sup>3</sup> ·min/ft·lb·hr	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	26	ft·lb/in <sup>2</sup>	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)	482	°F	ISO 75-2/A
Vicat Softening Temperature	491	°F	ISO 306/B120



CLTE - Flow (86 to 212°F)	1.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.1E-5	in/in/°F	ISO 11359-2
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Surface Resistivity	1.0E+12	ohms	ASTM D257
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating			UL 94
0.030 in		HB	
0.06 in		HB	
0.12 in		HB	

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 60 MPa

<sup>3</sup> in air

<sup>4</sup> ISO 7148-2 (speed 0.126 m/s, load 10N)

<sup>5</sup> ISO 7148-2 (speed 0.126 m/s, load 10N, path length 13.6km)

