

**LATILUB 66-15T G/30**

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

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

**General**

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

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

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.48	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.70 to 1.0	%	
Flow : 0.0787 in	0.30 to 0.55	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	1.7	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.28E+6	psi	
140°F	914000	psi	
194°F	725000	psi	
248°F	624000	psi	
302°F	566000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	23200	psi	
Break, 140°F	18100	psi	
Break, 194°F	15200	psi	
Break, 248°F	13100	psi	
Break, 302°F	10900	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.7	%	
Break, 140°F	4.0	%	
Break, 194°F	5.8	%	
Break, 248°F	6.7	%	
Break, 302°F	7.9	%	
Coefficient of Friction <sup>4</sup>			Internal Method
Dynamic	0.36		
Static	0.29		
Wear Factor <sup>5</sup>	420	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)	4.8	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	33	ft·lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	500	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	473	°F	ISO 75-2/A
Vicat Softening Temperature	491	°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
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Surface Resistivity	1.0E+12	ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	480	V/mil	ASTM D149
<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)

