

**LATILUB 73/13-10T Y/15**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Acetal (POM) Copolymer*
**General Information**
**Product Description**

Self-lubricating product based on Polyoximethylene (POM), PTFE, Aramid fibres.

**General**

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

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

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.46	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	1.9 to 2.3	%	
Flow : 0.0787 in	1.8 to 2.2	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	0.17	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	406000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	7250	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	10	%	ISO 527-2/5
Coefficient of Friction <sup>4</sup>			Internal Method
Dynamic	0.25		
Static	0.21		
Wear Factor <sup>5</sup>	350	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)	1.4	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	12	ft·lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	302	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	194	°F	ISO 75-2/A
Vicat Softening Temperature	302	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	6.1E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	6.1E-5	in/in/°F	ISO 11359-2
Thermal Conductivity			ASTM E1461
-- <sup>6</sup>	2.1	Btu·in/hr/ft <sup>2</sup> /°F	
-- <sup>7</sup>	2.1	Btu·in/hr/ft <sup>2</sup> /°F	
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))	460	V/mil	ASTM D149
Comparative Tracking Index <sup>8</sup> (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	HB		
0.12 in	HB		



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

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<sup>2</sup> 60 MPa

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<sup>3</sup> in air

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

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

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<sup>6</sup> through plane

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<sup>7</sup> in plane

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<sup>8</sup> without surfactant

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