

LATILUB 66-01M G/15

 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 ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.26	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.95 to 1.3	%	
Flow : 0.0787 in	0.40 to 0.70	%	
Water Absorption ³ (Saturation, 73°F)	2.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	885000	psi	
140°F	754000	psi	
194°F	580000	psi	
248°F	377000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	16700	psi	
Break, 140°F	13800	psi	
Break, 194°F	10900	psi	
Break, 248°F	9430	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.2	%	
Break, 140°F	8.1	%	
Break, 194°F	15	%	
Break, 248°F	20	%	
Coefficient of Friction ⁴			Internal Method
Dynamic	0.44		
Static	0.41		
Wear Factor ⁵	11000	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.1	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	12	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	482	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	455	°F	ISO 75-2/A
Vicat Softening Temperature	473	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	2.2E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2

Electrical
Nominal Value Unit
Test Method


Surface Resistivity	1.0E+12 ohms	ASTM D257
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.030 in	HB	
0.06 in	HB	
0.12 in	HB	

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)

