

LATILUB 57-01M G/35

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyphthalamide*
General Information
Product Description

Self-lubricating product based on Semi-aromatic polyamide (PPA). Molybdenum dysulphide. Glass fibres. PFAS-free product.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active 		
Availability	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific 	<ul style="list-style-type: none"> Europe Latin America 	<ul style="list-style-type: none"> North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber 		
Additive	<ul style="list-style-type: none"> Molybdenum Disulfide Lubricant 		
Features	<ul style="list-style-type: none"> High Heat Resistance Lubricated 	<ul style="list-style-type: none"> PFAS Free Self Lubricating 	
Uses	<ul style="list-style-type: none"> High Temperature Applications 		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.50	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.45 to 0.65	%	
Flow : 0.0787 in	0.10 to 0.30	%	
Water Absorption ³ (Saturation, 73°F)	0.90	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.96E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	31200	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.2	%	ISO 527-2/5
Coefficient of Friction ⁴			Internal Method
Dynamic	0.40		
Static	0.38		
Wear Factor ⁵	670	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	21	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	590	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	563	°F	ISO 75-2/A
Vicat Softening Temperature	536	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.1E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.2E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257

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)
