

LATILUB 62-10E G/35

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*
General Information
Product Description

Self-lubricating product based on Polyamide 6 (PA 6). UHMWPE. Glass fibres. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Filler / Reinforcement	• Glass Fiber • UHMW Polyethylene
Features	• PFAS Free • Self Lubricating

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.36	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.65 to 0.85	%	
Flow : 0.0787 in	0.30 to 0.50	%	
Water Absorption ³ (Saturation, 73°F)	1.6	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.31E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	19600	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	3.0	%	ISO 527-2/5
Coefficient of Friction ⁴			Internal Method
Dynamic	0.40		
Static	0.38		
Wear Factor ⁵	4000	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	5.7	ft·lb/in ²	
73°F	7.1	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	31	ft·lb/in ²	
73°F	33	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	428	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	401	°F	ISO 75-2/A
Vicat Softening Temperature	401	°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)	3.3E-5	in/in/°F	ISO 11359-2
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))	530	V/mil	ASTM D149

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)
