

LATILUB 75/4-05T G/30-V0

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polybutylene Terephthalate*
General Information
Product Description

Self-lubricating product based on Polybutylene Terephthalate (PBT). PTFE. Glass fibres. Flame retardant, UL94 V-0 class, with brominated flame retardants, free of PBB/PBDE.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.63	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	0.35 to 0.50	%	
Water Absorption ³ (Saturation, 73°F)	0.14	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.38E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	16000	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.6	%	ISO 527-2/5
Coefficient of Friction ⁴			Internal Method
Dynamic	0.34		
Static	0.30		
Wear Factor ⁵	500	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.8	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)	419	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	383	°F	ISO 75-2/A
Vicat Softening Temperature	392	°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)	3.6E-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))	510	V/mil	ASTM D149
Comparative Tracking Index ⁶ (Solution A)	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in	HB		
0.06 in	V-0		
0.12 in	V-0		
Glow Wire Flammability Index (0.08 in)	1760	°F	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13



0.04 in	1340 °F	
0.08 in	1340 °F	
Oxygen Index	28 %	ASTM D2863

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)

⁶ Without surfactant

