

**LATILUB 75/4-02S F1**

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

Self-lubricating product based on Polybutylene Terephthalate (PBT). Silicone. PFAS-free product.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Silicone Lubricant		
Features	• Lubricated	• PFAS Free	• Self Lubricating

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

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.29	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	1.7 to 2.0	%	
Flow : 0.0787 in	1.7 to 2.0	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	0.22	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	348000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	6530	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	No Break		ISO 527-2/5
Tensile Strain (Yield, 73°F)	> 10	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	> 50	%	ISO 527-2/5
Coefficient of Friction <sup>4</sup>			Internal Method
Dynamic	0.18		
Static	0.15		
Wear Factor <sup>5</sup>	1500	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)	2.9	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	230	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	122	°F	ISO 75-2/A
Vicat Softening Temperature	338	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	7.8E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	7.8E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257

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

<sup>2</sup> 60 MPa

<sup>3</sup> in air

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

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