

LATILUB B01-02S

LATI INDUSTRIA TERMOPLASTICI SPA - *Biodegradable Polymers*

General Information

Product Description

Self-lubricating product based on Bio-polymer resin. Silicone. PFAS-free product.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.28	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.20 to 0.60	%	
Flow : 0.0787 in	0.20 to 0.60	%	
Water Absorption ³ (Saturation, 73°F)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	421000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	5800	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	4.5	%	ISO 527-2/5
Coefficient of Friction ⁴			Internal Method
Dynamic	0.23		
Static	0.18		
Wear Factor ⁵	2100	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.7	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	9.5	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	122	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	122	°F	ISO 75-2/A
Vicat Softening Temperature	131	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.7E-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)

