

LATILUB 73/13-20ST

 LATI INDUSTRIA TERMOPLASTICI SPA - *Acetal (POM) Copolymer*
General Information
Product Description

Self-lubricating product based on Polyoximethylene (POM). Silicone / PTFE.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.48	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	2.2 to 2.5	%	
Flow : 0.0787 in	2.2 to 2.5	%	
Water Absorption ³ (Saturation, 73°F)	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	290000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	6530	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	6530	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	> 10	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	20	%	ISO 527-2/5
Coefficient of Friction ⁴			Internal Method
Dynamic	0.24		
Static	0.19		
Wear Factor ⁵	350	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)	21	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	293	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	176	°F	ISO 75-2/A
Vicat Softening Temperature	302	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	6.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	6.7E-5	in/in/°F	ISO 11359-2
Thermal Conductivity			ASTM E1461
-- ⁶	2.1	Btu·in/hr/ft ² /°F	
-- ⁷	2.1	Btu·in/hr/ft ² /°F	
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))	460	V/mil	ASTM D149
Comparative Tracking Index ⁸ (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	HB		
0.12 in	HB		



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 through plane

⁷ in plane

⁸ without surfactant

