

LATAN 9

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

Product made of Polyoximethylene (POM). Unfilled. Medium viscosity. Very good tribological properties. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• PFAS Free		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.41	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	2.1 to 2.3	%	
Flow : 0.0787 in	2.0 to 2.3	%	
Water Absorption ³ (Saturation, 73°F)	0.22	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	377000	psi	
140°F	203000	psi	
194°F	131000	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	8700	psi	
Yield, 140°F	6530	psi	
Yield, 194°F	4350	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	8700	psi	
Break, 140°F	No Break		
Break, 194°F	No Break		
Tensile Strain			ISO 527-2/5
Yield, 73°F	> 10	%	
Yield, 140°F	> 10	%	
Yield, 194°F	> 10	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	50	%	
Break, 140°F	> 50	%	
Break, 194°F	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	2.4	ft·lb/in ²	
73°F	3.3	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	No Break		
73°F	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	302	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	212	°F	ISO 75-2/A
Vicat Softening Temperature	302	°F	ISO 306/B120



CLTE - Flow (86 to 212°F)	6.1E-5 in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	6.1E-5 in/in/°F	ISO 11359-2
Thermal Conductivity		ASTM E1461
-- 4	2.1 Btu·in/hr/ft ² /°F	
-- 5	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))	410 V/mil	ASTM D149
Comparative Tracking Index ⁶ (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 through plane

⁵ in plane

⁶ Without surfactant

