

LATAN 13E71

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

Compound based on Polyoximethylene (POM). Toughened. Medium viscosity. Good elongation and impact resistance. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Additive	• Impact Modifier
Features	• Good Toughness • Impact Modified • PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.36	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	2.4 to 2.8	%	
Flow : 0.0787 in	2.3 to 2.7	%	
Water Absorption ³ (Saturation, 73°F)	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	218000	psi	
140°F	131000	psi	
194°F	72500	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	5800	psi	
Yield, 140°F	3630	psi	
Yield, 194°F	2180	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	No Break		
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 (73°F)	4.8	ft·lb/in ²	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)	248	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	149	°F	ISO 75-2/A
Vicat Softening Temperature	266	°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
-- 4		1.4 Btu·in/hr/ft ² /°F	
-- 5		1.4 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 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

