

LATAN 13 K/30

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

Compound based on Polyoximethylene (POM). Carbon fibres. PFAS-free product.

General

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

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	0.50 to 0.90	%	
Flow : 0.0787 in	0.20 to 0.50	%	
Water Absorption ³ (Saturation, 73°F)	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	2.87E+6	psi	
140°F	2.20E+6	psi	
194°F	1.54E+6	psi	
248°F	1.00E+6	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	19600	psi	
Break, 140°F	16000	psi	
Break, 194°F	12300	psi	
Break, 248°F	8700	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	1.0	%	
Break, 140°F	1.1	%	
Break, 194°F	1.6	%	
Break, 248°F	1.9	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	2.3	ft·lb/in ²	
73°F	2.4	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	5.7	ft·lb/in ²	
73°F	7.1	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	329	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	320	°F	ISO 75-2/A
Vicat Softening Temperature	329	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	8.3E-6	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.5E-5	in/in/°F	ISO 11359-2
Thermal Conductivity			ASTM E1461

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 3.5 Btu-in/hr/ft²/°F


Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10	ohms	ASTM D257

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² 60 MPa
- ³ in air
- ⁴ through plane
- ⁵ in plane

