

LATAN 13 S/20

LATI INDUSTRIA TERMOPLASTICI SPA - Acetal (POM) Copolymer

General Information

Product Description

Compound based on Polyoximethylene (POM). Glass beads. Medium viscosity. High dimensional stability. PFAS-free product.

General

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

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.53	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	1.9 to 2.2	%	
Flow : 0.0787 in	1.9 to 2.2	%	
Water Absorption ³ (Saturation, 73°F)	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	450000	psi	
140°F	232000	psi	
194°F	145000	psi	
248°F	102000	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	6530	psi	
Yield, 140°F	4350	psi	
Yield, 194°F	2900	psi	
Yield, 248°F	2180	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	5800	psi	
Break, 140°F	4350	psi	
Break, 194°F	No Break		
Break, 248°F	No Break		
Tensile Strain			ISO 527-2/5
Yield, 73°F	8.5	%	
Yield, 140°F	8.7	%	
Yield, 194°F	8.0	%	
Yield, 248°F	8.5	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	12	%	
Break, 140°F	45	%	
Break, 194°F	> 50	%	
Break, 248°F	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	1.5	ft·lb/in ²	
73°F	1.9	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU



-4°F		21 ft·lb/in ²	
73°F		19 ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	311	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	194	°F	ISO 75-2/A
Vicat Softening Temperature	302	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.2E-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))	460	V/mil	ASTM D149
Comparative Tracking Index ⁶ (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

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

