

LATAN 13 MDT05-01 BLUE:7417F1

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

Compound based on Polyoximethylene (POM). Magnetic and X-Rays detectable filler. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Filler
Features	• Magnetically Detectable • PFAS Free • Metal Detectable • X-Ray Detectable

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.62	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)	0.17	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	276000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	5080	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	5080	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	12	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	45	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.1	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	43	ft·lb/in ²	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)	212	°F	ISO 75-2/A
Vicat Softening Temperature	275	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.7E-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
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	HB		
0.12 in	HB		

