

LATENE 9H TES/30

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polypropylene Homopolymer*
General Information
Product Description

Compound based on Polypropylene homopolymer (PPh). Heat stabilised. Aesthetic talc. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Talc		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized	• Homopolymer	• PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.14	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.90 to 1.2	%	
Flow : 0.0787 in	0.85 to 1.1	%	
Water Absorption ³ (Saturation, 73°F)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	392000	psi	
140°F	174000	psi	
194°F	94300	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	3630	psi	
Yield, 140°F	2180	psi	
Yield, 194°F	1450	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	2900	psi	
Break, 140°F	1450	psi	
Break, 194°F	No Break		
Tensile Strain			ISO 527-2/5
Yield, 73°F	4.0	%	
Yield, 140°F	5.0	%	
Yield, 194°F	6.0	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	30	%	
Break, 140°F	70	%	
Break, 194°F	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	0.71	ft·lb/in ²	
73°F	1.4	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	7.1	ft·lb/in ²	
73°F	26	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	221	°F	ISO 75-2/B



Deflection Temperature Under Load (264 psi, Unannealed)	149 °F	ISO 75-2/A
Vicat Softening Temperature	221 °F	ISO 306/B120
CLTE - Flow (86 to 212°F)	5.0E-5 in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	5.3E-5 in/in/°F	ISO 11359-2
Thermal Conductivity		ASTM E1461
-- 4	1.4 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))	970 V/mil	ASTM D149
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

