

**LATENE AG7H G/30**

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

Compound based on Polypropylene homopolymer (PPh). Chemical grafted fibres. Heat stabilised. Glass fibres. Good thermal properties. PFAS-free product.

**General**

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

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.11	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.55 to 0.70	%	
Flow : 0.0787 in	0.25 to 0.50	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	885000	psi	
140°F	725000	psi	
194°F	595000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	11600	psi	
Break, 140°F	7980	psi	
Break, 194°F	5800	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	3.0	%	
Break, 140°F	3.6	%	
Break, 194°F	6.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	26	ft·lb/in <sup>2</sup>	ISO 179/1eU
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)	284	°F	ISO 75-2/A
Vicat Softening Temperature	275	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.4E-5	in/in/°F	ISO 11359-2
Thermal Conductivity			ASTM E1461
-- <sup>4</sup>	1.4	Btu·in/hr/ft <sup>2</sup> /°F	
-- <sup>5</sup>	2.1	Btu·in/hr/ft <sup>2</sup> /°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))	890	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method



Flame Rating (0.06 in)	HB	UL 94
<b>Notes</b>		
1 Typical properties: these are not to be construed as specifications.		
2 60 MPa		
3 in air		
4 through plane		
5 in plane		

