

LATENE 7-V2

LATI INDUSTRIA TERMOPLASTICI SPA - *Polypropylene Homopolymer*

General Information

Product Description

Compound based on Polypropylene homopolymer (PPh). Flame retardant, UL94 V-2 class, with brominated flame retardants, free of PBB/PBDE. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Brominated	• Homopolymer	
	• Flame Retardant	• PFAS Free	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.930	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	1.3 to 1.7	%	
Flow : 0.0787 in	1.3 to 1.7	%	
Water Absorption ³ (Saturation, 73°F)	0.070	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	189000	psi	
140°F	113000	psi	
194°F	58000	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	4350	psi	
Yield, 140°F	2900	psi	
Yield, 194°F	1450	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	No Break		
Break, 140°F	No Break		
Break, 194°F	No Break		
Tensile Strain			ISO 527-2/5
Yield, 73°F	9.0	%	
Yield, 140°F	9.5	%	
Yield, 194°F	> 10	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	> 50	%	
Break, 140°F	> 50	%	
Break, 194°F	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	0.48	ft·lb/in ²	
73°F	1.2	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	7.1	ft·lb/in ²	
73°F	43	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method



Deflection Temperature Under Load (66 psi, Unannealed)	203 °F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	140 °F	ISO 75-2/A
Vicat Softening Temperature	221 °F	ISO 306/B120
CLTE - Flow (86 to 212°F)	8.1E-5 in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	8.1E-5 in/in/°F	ISO 11359-2
Thermal Conductivity		ASTM E1461
-- 4	1.4 Btu·in/hr/ft ² /°F	
-- 5	1.4 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))	640 V/mil	ASTM D149
Comparative Tracking Index ⁶ (Solution A)	600 V	IEC 60112
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.06 in	V-2	
0.12 in	V-2	
Glow Wire Flammability Index		IEC 60695-2-12
0.04 in	1760 °F	
0.08 in	1760 °F	
Oxygen Index	25 %	ASTM D2863

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

