

LATENE 7 TR-V2

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

Compound based on Polypropylene homopolymer (PPH). Mineral filler. Flame retardant, UL94 V-2 class, with brominated flame retardants, free of PBB/PBDE. Good surface appearance. PFAS-free product.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.970	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	1.4 to 1.7	%	
Flow : 0.0787 in	1.4 to 1.7	%	
Water Absorption ³ (Saturation, 73°F)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	319000	psi	
140°F	138000	psi	
194°F	79800	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	3630	psi	
Break, 140°F	No Break		
Break, 194°F	No Break		
Tensile Strain			ISO 527-2/5
Yield, 73°F	6.0	%	
Yield, 140°F	8.0	%	
Yield, 194°F	9.0	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	25	%	
Break, 140°F	> 50	%	
Break, 194°F	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	0.24	ft·lb/in ²	
73°F	1.9	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)	212	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	131	°F	ISO 75-2/A
Vicat Softening Temperature	212	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	6.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	6.7E-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))	1100	V/mil	ASTM D149
Comparative Tracking Index ⁶ (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in		V-2	
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	29	%	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

