

LATENE EP 7-V2HF R6

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

Compound based on Polypropylene copolymer (PPc). Flame retardant, UL94 V-2 class, free of halogens-based flame retardants and red phosphorous. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Flame Retardant		
Features	• Copolymer • Flame Retardant	• Halogen Free • Low (to None) Phosphorus Content	• PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.00	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)	0.080	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	247000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	2900	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	2900	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	4.5	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	10	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.9	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)	212	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	149	°F	ISO 75-2/A
Vicat Softening Temperature	185	°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))	810	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	1560 °F	
0.08 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.04 in	1380 °F	
0.08 in	1430 °F	
Oxygen Index	26 %	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

