

## LATENE EP 3H-V0

LATI INDUSTRIA TERMOPLASTICI SPA - *Polypropylene Copolymer*

### General Information

#### Product Description

Compound based on Polypropylene copolymer (PPc). Heat stabilised. Flame retardant, UL94 V-0 class, free of halogens-based flame retardants and red phosphorous. The product mentioned herein must not be used to produce parts operating in hot (>70°C), very humid environments, or in contact with hot water, or in contact with overheated steam. PFAS-free product.

#### General

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

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.01	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.95 to 1.4	%	
Flow : 0.0787 in	0.90 to 1.3	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	305000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	2900	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	No Break		ISO 527-2/5
Tensile Strain (Yield, 73°F)	3.0	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	> 50	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.7	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	29	ft·lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	185	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	131	°F	ISO 75-2/A
Vicat Softening Temperature	176	°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
-- <sup>4</sup>	2.1	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))	640	V/mil	ASTM D149
Comparative Tracking Index <sup>6</sup> (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-0		
0.12 in	V-0		



Glow Wire Flammability Index		IEC 60695-2-12
0.04 in	1760 °F	
0.08 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.04 in	1430 °F	
0.08 in	1430 °F	
Oxygen Index	36 %	ASTM D2863

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 60 MPa

<sup>3</sup> in air

<sup>4</sup> through plane

<sup>5</sup> in plane

<sup>6</sup> without surfactant

