

LATENE EP 7-V2

LATI INDUSTRIA TERMOPLASTICI SPA - *Polypropylene Copolymer*

General Information

Product Description

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

General

Material Status	<ul style="list-style-type: none"> Commercial: Active 		
Availability	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific 	<ul style="list-style-type: none"> Europe Latin America 	<ul style="list-style-type: none"> North America
Additive	<ul style="list-style-type: none"> Flame Retardant 		
Features	<ul style="list-style-type: none"> Brominated Copolymer 	<ul style="list-style-type: none"> Flame Retardant PFAS Free 	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.900	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	1.5 to 1.8	%	
Flow : 0.0787 in	1.4 to 1.7	%	
Water Absorption ³ (Saturation, 73°F)	0.070	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	160000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	No Break		ISO 527-2/5
Tensile Strain (Break, 73°F)	> 50	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	1.9	ft·lb/in ²	
73°F	5.7	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	No Break		
73°F	No Break		
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)	131	°F	ISO 75-2/A
Vicat Softening Temperature	158	°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 (0.06 in)	V-2		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
0.04 in	1760	°F	
0.08 in	1760	°F	



Oxygen Index	25 %	ASTM D2863
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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

