

LATAMID 6 H2PX-V2 EK1

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*
General Information
Product Description

Compound based on Polyamide 6 (PA 6). Improved thermal stabilisation. Toughened. 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	• Impact Modifier	
Features	• Brominated	• Good Thermal Stability	• Impact Modified
	• Flame Retardant	• Good Toughness	• PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.28	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	1.1 to 1.4	%	
Flow : 0.0787 in	1.0 to 1.3	%	
Water Absorption ³ (Saturation, 73°F)	2.3	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	377000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	7250	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	6530	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	2.8	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	4.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	1.8	ft·lb/in ²	
73°F	1.6	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	31	ft·lb/in ²	
73°F	33	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	302	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	140	°F	ISO 75-2/A
Vicat Softening Temperature	347	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.7E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Comparative Tracking Index ⁴ (Solution A)	300	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.016 in	V-2		
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	1560 °F

Notes

¹ Typical properties: these are not to be construed as specifications.

² 60 MPa

³ in air

⁴ without surfactant

