

LATAMID 6 CUVHPX10 G/35

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

Compound based on Polyamide 6 (PA 6). Low viscosity. UV stabilised. Heat stabilized. Toughened. Glass fibres. Good elongation. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber		
Additive	• Heat Stabilizer	• Impact Modifier	• UV Stabilizer
Features	• Good Scratch Resistance	• Impact Modified	• Stain Resistant
	• Good Toughness	• Low Viscosity	• UV Resistant
	• Heat Stabilized	• PFAS Free	• UV Stabilized

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.41	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.60 to 0.80	%	
Flow : 0.0787 in	0.30 to 0.50	%	
Water Absorption ³ (Saturation, 73°F)	2.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.41E+6	psi	
140°F	914000	psi	
194°F	740000	psi	
248°F	595000	psi	
302°F	595000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	21000	psi	
Break, 140°F	14500	psi	
Break, 194°F	11600	psi	
Break, 248°F	10200	psi	
Break, 302°F	8700	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.8	%	
Break, 140°F	5.0	%	
Break, 194°F	6.0	%	
Break, 248°F	6.4	%	
Break, 302°F	6.2	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	2.9	ft·lb/in ²	
73°F	4.8	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)	428 °F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	392 °F	ISO 75-2/A
Vicat Softening Temperature	419 °F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.7E-5 in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.1E-5 in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit
Surface Resistivity	1.0E+12	ohms
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	510	V/mil
Comparative Tracking Index ⁴ (Solution A)	600	V
		Test Method
		ASTM D257
		ASTM D149
		IEC 60112

Notes

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

² 60 MPa

³ in air

⁴ Without surfactant

