

LATAMID 66 H2PX-V0 KM8

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*
General Information
Product Description

Compound based on Polyamide 66 (PA 66). Improved thermal stabilisation. Toughened. Flame retardant, UL94 V-0 class, with brominated flame retardants, free of PBB/PBDE. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Flame Retardant • Impact Modifier		
Features	• Brominated • Flame Retardant	• Good Thermal Stability • Good Toughness	• Impact Modified • PFAS Free

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.32	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	1.1 to 1.4	%	
Water Absorption ³ (Saturation, 73°F)	2.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	334000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	5080	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	4350	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	3.0	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	15	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.7	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	284	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	185	°F	ISO 75-2/A
Vicat Softening Temperature	320	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	5.6E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	5.6E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Dielectric Strength			ASTM D149
73°F, 0.0787 in, Method A (Short-Time)	530	V/mil	
73°F, 0.0787 in, Method A (Short-Time) ⁴	460	V/mil	
Comparative Tracking Index ⁵ (Solution A)	300	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.016 in	V-0		
0.030 in	V-0		
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	34 %	ASTM D2863

Notes

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

² 60 MPa

³ in air

⁴ conditioned

⁵ without surfactant

