

LATAMID 68 H2-V0

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66/6 Copolymer*

General Information

Product Description

Compound based on PA6/PA66 copolymer. Improved thermal stabilisation. Flame retardant, UL94 V-0 class, free of halogens-based flame retardants and red phosphorous. Good surface appearance. PFAS-free product.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.16	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	0.85 to 1.1	%	
Water Absorption ³ (Saturation, 73°F)	2.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	493000	psi	
140°F	290000	psi	
194°F	160000	psi	
248°F	123000	psi	
302°F	94300	psi	
Tensile Stress (Yield, 73°F)	10900	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	10200	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	3.5	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	10	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	1.2	ft·lb/in ²	
73°F	1.4	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	43	ft·lb/in ²	
73°F	43	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	392	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	158	°F	ISO 75-2/A
Vicat Softening Temperature	410	°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
Thermal Conductivity			ASTM E1461
-- ⁴	2.1	Btu·in/hr/ft ² /°F	
-- ⁵	2.1	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))	560 V/mil	ASTM D149
Comparative Tracking Index ⁶ (Solution A)	600 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
0.016 in	1760 °F	
0.030 in	1760 °F	
0.04 in	1760 °F	
0.08 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.016 in	1430 °F	
0.030 in	1430 °F	
0.04 in	1430 °F	
Oxygen Index	31 %	ASTM D2863

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

