

LARAMID G/35

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyphthalamide*
General Information
Product Description

Compound based on Semi-aromatic polyamide (PPA). Glass fibres. Very good thermal properties. Good chemical resistance. Low moisture absorption. 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 Europe Latin America North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber
Features	<ul style="list-style-type: none"> High Heat Resistance PFAS Free
Uses	<ul style="list-style-type: none"> High Temperature Applications

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.48	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.70 to 0.90	%	
Flow : 0.0787 in	0.25 to 0.45	%	
Water Absorption ³ (Saturation, 73°F)	0.90	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.96E+6	psi	
140°F	1.74E+6	psi	
194°F	1.52E+6	psi	
248°F	1.22E+6	psi	
302°F	653000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	31900	psi	
Break, 140°F	30500	psi	
Break, 194°F	26800	psi	
Break, 248°F	18900	psi	
Break, 302°F	12300	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.2	%	
Break, 140°F	2.5	%	
Break, 194°F	2.9	%	
Break, 248°F	6.0	%	
Break, 302°F	9.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	21	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	563	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	545	°F	ISO 75-2/A
Vicat Softening Temperature	518	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.1E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.2E-5	in/in/°F	ISO 11359-2
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))	610 V/mil	ASTM D149

Notes

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

² 60 MPa

³ in air

