

LARAMID T G/35-V0

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 9T*

General Information

Product Description

Compound based on Special semi-aromatic polyamide (PA9T). Glass fibres. Flame retardant, UL94 V-0 class, with brominated flame retardants, free of PBB/PBDE. Very good thermal properties. Good chemical resistance. Low moisture absorption. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber		
Additive	• Flame Retardant		
Features	• Brominated • Flame Retardant	• High Heat Resistance • PFAS Free	
Uses	• High Temperature Applications		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.68	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	0.20 to 0.40	%	
Water Absorption ³ (Saturation, 73°F)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.89E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	23200	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	1.8	%	ISO 527-2/5
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)	19	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	554	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	527	°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
Comparative Tracking Index ⁴ (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		
Glow Wire Flammability Index (0.06 in)	1760	°F	IEC 60695-2-12

Notes

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

² 60 MPa

