

**LARAMID T G/30-V0HF1**

PA9T-GF30

LATI Industria Termoplastici S.p.A.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.4</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.8</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>10000</b>	MPa	ISO 527
Stress at break	<b>145</b>	MPa	ISO 527
Strain at break	<b>2.5</b>	%	ISO 527
Charpy impact strength, +23°C	<b>60</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>10</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>270</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>285</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>270</b>	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
Glow Wire Flammability Index (GWFI)	<b>960</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>2</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>775</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>2</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	<b>600</b>	-	IEC 60112
<b>ASTM Data</b>			
Surface Resistivity	<b>1E12</b>	Ohm	ASTM D 257
<b>Other properties</b>			
Density	<b>1430</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>100 - 130</b>	°C	-
Pre-drying - Time	<b>3</b>	h	-
Melt temperature	<b>300 - 320</b>	°C	-
Mold temperature	<b>130 - 150</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Chemical Resistance**

General Chemical Resistance

**Special Characteristics**

Flame retardant, Halogen-free

**Regional Availability**

Europe