

**LARAMID G/60**

PPA-GF

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	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	24000	MPa	ISO 527
Stress at break	280	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Charpy impact strength, +23°C	90	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	15	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	280	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	290	°C	ISO 75-1/-2
Vicat softening temperature, B	280	°C	ISO 306
Coeff. of linear therm. expansion, parallel	5	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	10	E-6/K	ISO 11359-1/-2
Glow Wire Flammability Index (GWFI)	750	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.75	mm	-
Limiting Oxygen Index	42	%	ASTM D 2863
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Surface Resistivity	1E12	Ohm	ASTM D 257
<b>Other properties</b>			
Density	1780	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	120 - 130	°C	-
Pre-drying - Time	3	h	-
Melt temperature	310 - 340	°C	-
Mold temperature	150 - 170	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Chemical Resistance**

General Chemical Resistance