

**LARPEEK 10 G/40**

PEEK-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	<b>0.3</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.6</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>14000</b>	MPa	ISO 527
Stress at break	<b>205</b>	MPa	ISO 527
Strain at break	<b>1.9</b>	%	ISO 527
Charpy impact strength, +23°C	<b>70</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>295</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>300</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>300</b>	°C	ISO 306
Coeff. of linear therm. expansion, parallel	<b>15</b>	E-6/K	ISO 11359-1/-2
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>875</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>1</b>	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-1</b>	-	UL 94
Thickness tested	<b>0.75</b>	mm	-
Limiting Oxygen Index	<b>36</b>	%	ASTM D 2863
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Surface Resistivity	<b>1E12</b>	Ohm	ASTM D 257
<b>Other properties</b>			
Density	<b>1620</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>120 - 150</b>	°C	-
Pre-drying - Time	<b>3</b>	h	-
Melt temperature	<b>370 - 400</b>	°C	-
Mold temperature	<b>170 - 200</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

Low Smoke

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

Europe