

**LARPEEK 10**

PEEK

LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	1.0	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	3700	MPa	ISO 527
Yield stress	105	MPa	ISO 527
Yield strain	5	%	ISO 527
Stress at break	90	MPa	ISO 527
Strain at break	30	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	165	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	195	°C	ISO 75-1/-2
Vicat softening temperature, B	300	°C	ISO 306
Coeff. of linear therm. expansion, parallel	60	E-6/K	ISO 11359-1/-2
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-
Glow Wire Ignition Temperature (GWIT)	875	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	0.75	mm	-
Limiting Oxygen Index	35	%	ASTM D 2863
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	175	-	IEC 60112
<b>ASTM Data</b>			
Surface Resistivity	1E12	Ohm	ASTM D 257
<b>Other properties</b>			
Density	1300	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	3	h	-
Melt temperature	360 - 390	°C	-
Mold temperature	170 - 200	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

Low Smoke

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

Europe