

LARPEEK 50

PEEK

LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.1	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	3500	MPa	ISO 527
Yield stress	95	MPa	ISO 527
Yield strain	5	%	ISO 527
Stress at break	85	MPa	ISO 527
Strain at break	30	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	155	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	190	°C	ISO 75-1/-2
Vicat softening temperature, B	300	°C	ISO 306
Coeff. of linear therm. expansion, parallel	55	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	-
ASTM Data			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	0.75	mm	-
Limiting Oxygen Index	35	%	ASTM D 2863
Other properties			
Density	1300	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
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