

LAPEX A

PESU

LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	2900	MPa	ISO 527
Yield stress	85	MPa	ISO 527
Yield strain	6.3	%	ISO 527
Strain at break	100	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.5	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	195	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210	°C	ISO 75-1/-2
Vicat softening temperature, B	215	°C	ISO 306
Coeff. of linear therm. expansion, parallel	53	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	57	E-6/K	ISO 11359-1/-2
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
Limiting Oxygen Index	39	%	ASTM D 2863
Electrical properties			
ASTM Data			
Surface Resistivity	1E12	Ohm	ASTM D 257
Other properties			
Density	1370	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	140 - 180	°C	-
Pre-drying - Time	3	h	-
Melt temperature	340 - 370	°C	-
Mold temperature	140 - 165	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Features

Low Smoke