

**LATAMID 66**

PA66

LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	1.4	%	ISO 294-4, 2577
Molding shrinkage, normal	1.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3100	MPa	ISO 527
Yield stress	90	MPa	ISO 527
Yield strain	4	%	ISO 527
Stress at break	95	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	4	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	75	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220	°C	ISO 75-1/-2
Vicat softening temperature, B	240	°C	ISO 306
Coeff. of linear therm. expansion, parallel	140	E-6/K	ISO 11359-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.75	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	1E12	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1140	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	3	h	-
Melt temperature	260 - 290	°C	-
Mold temperature	70 - 90	°C	-

**Characteristics**

**Processing**  
Injection Molding

**Regional Availability**  
Europe