

LATAMID 12 G/50

PA12-GF

LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	10500	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	150	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	18	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	185	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	190	°C	ISO 75-1/-2
Vicat softening temperature, B	180	°C	ISO 306
Coeff. of linear therm. expansion, parallel	25	E-6/K	ISO 11359-1/-2
Electrical properties			
ASTM Data			
Surface Resistivity	1E12	Ohm	ASTM D 257
Other properties			
Density	1450	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	70 - 90	°C	-
Pre-drying - Time	3	h	-
Melt temperature	220 - 240	°C	-
Mold temperature	70 - 90	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe