

**LATAMID 12 H 90FE03**

PA12-X

LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	13500	MPa	ISO 527
Stress at break	40	MPa	ISO 527
Strain at break	0.6	%	ISO 527
Charpy impact strength, +23°C	8	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	1	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	95	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	150	°C	ISO 75-1/-2
Vicat softening temperature, B	160	°C	ISO 306
Coeff. of linear therm. expansion, parallel	45	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	4500	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 90	°C	-
Pre-drying - Time	3	h	-
Melt temperature	250 - 270	°C	-
Mold temperature	70 - 90	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

Metal Detectable

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

Europe