

**LATICONTHET 83 CP/85**

PA12-X

LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	950	MPa	ISO 527
Stress at break	15	MPa	ISO 527
Strain at break	5	%	ISO 527
Charpy impact strength, +23°C	65	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	10	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	40	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	55	°C	ISO 75-1/-2
Vicat softening temperature, B	60	°C	ISO 306
Coeff. of linear therm. expansion, parallel	80	E-6/K	ISO 11359-1/-2

Other Standards <sup>[S]</sup>	Value	Unit	Test Standard
Thermal Conductivity, solid state	0.288	W/(m K)	ASTM E 1461-92

S: These properties are reported by the producer according standards that are different to our defaults.

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

Other properties	Value	Unit	Test Standard
Density	3000	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	240 - 260	°C	-
Mold temperature	60 - 80	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

High impact or impact modified, Thermally Conductive