LATICONTHER 47/1 CP/80

PP-X | LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**1.0**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.9**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1500**	MPa	ISO 527
Stress at break	**30**	MPa	ISO 527
Strain at break	**40**	%	ISO 527
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**50**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**140**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**145**	°C	ISO 75-1/-2
Vicat softening temperature, B	**145**	°C	ISO 306
Other Standards[S]			
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
ASTM Data			
Surface Resistivity	**1E11**	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	**2770**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 90**	°C	-
Pre-drying - Time	**3**	h	-
Melt temperature	**220 - 250**	°C	-
Mold temperature	**40 - 60**	°C	-

Characteristics

Processing
Injection Molding, Other Extrusion

Features
Copolymer

Special Characteristics
Thermally Conductive

Regional Availability
Europe

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