

LATICONTER 80 CPG/700

PPS-(GF+X)

LATI Industria Termoplastici S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14000	MPa	ISO 527
Stress at break	60	MPa	ISO 527
Strain at break	0.5	%	ISO 527
Charpy impact strength, +23°C	10	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	245	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	280	°C	ISO 75-1/-2
Vicat softening temperature, B	250	°C	ISO 306
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Other Standards^[5]			
Thermal Conductivity, solid state	0.202	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
ISO Data			
Comparative tracking index	225	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	23	kV/mm	ASTM D 149
Surface Resistivity	1E12	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	2550	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 130	°C	-
Pre-drying - Time	3	h	-
Melt temperature	290 - 320	°C	-
Mold temperature	130 - 140	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Special Characteristics

Thermally Conductive