

**LATICONTER 75 GR/50**

PBT-CD

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	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	10000	MPa	ISO 527
Stress at break	45	MPa	ISO 527
Strain at break	0.8	%	ISO 527
Charpy impact strength, +23°C	7	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	4	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	80	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	180	°C	ISO 75-1/-2
Vicat softening temperature, B	190	°C	ISO 306
<b>Other Standards<sup>[5]</sup></b>			
Thermal Conductivity, solid state	1.44	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	1000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1580	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 130	°C	-
Pre-drying - Time	3	h	-
Melt temperature	230 - 260	°C	-
Mold temperature	80 - 100	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

Thermally Conductive