

Laticonther 62 GR/70

Polyamide 6

LATI S.p.A.

Message:

High thermal conductivity product based on Polyamide 6 (PA 6).
Graphite.

General Information			
Filler / Reinforcement	Graphite Powder,70% Filler by Weight		
Features	Thermally Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.76	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.25 to 0.45	%	
Flow : 2.00 mm	0.25 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	22000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	60.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	0.30	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	25	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	205	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Thermal Conductivity	15	W/m/K	ASTM E1952-01
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10	ohms	ASTM D257
Volume Resistivity	1.0E+2	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	250 to 290	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Moderate		
NOTE			

1. at 60 MPa of cavity pressure

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