

Laticonther 62 CPG/750

Polyamide 6

LATI S.p.A.

Message:

High thermal conductivity product based on Polyamide 6 (PA 6). Special filler. Glass fibres.

General Information			
Filler / Reinforcement	Filler		
	Glass Fiber		
Features	Thermally Conductive		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.56	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.40 to 0.60	%	
Flow : 2.00 mm	0.35 to 0.55	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11400	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	80.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	25	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	60	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	190	°C	ISO 75-2/A
Continuous Use Temperature ²	90.0	°C	
Vicat Softening Temperature	195	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	8.0E-6	cm/cm/°C	ASTM D696
Thermal Conductivity	1.7	W/m/K	ASTM E1952-01
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			

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|----|------------------------------|
| 1. | at 60 Mpa of cavity pressure |
| 2. | 20,000 hr |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

