# 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<br>Glass Fiber | | |
| Features | Thermally Conductive | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 2.56 | g/cm³ | 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/m² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 25 | kJ/m² | 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** | | | |

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



## 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