

## LATI Later 4 G/20 PBT, 20% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

### Material Notes:

Polybutylene Terephthalate (PBT) based compound. Glass fibers. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America  
Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LATI-Later-4-G20-PBT-20-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Later-4-G20-PBT-20-Glass-Fiber-Reinforced.php)

| Physical Properties               | Metric                | English                   | Comments |
|-----------------------------------|-----------------------|---------------------------|----------|
| Density                           | 1.43 g/cc             | 0.0517 lb/in <sup>3</sup> |          |
| Linear Mold Shrinkage, Flow       | 0.0050 - 0.0075 cm/cm | 0.0050 - 0.0075 in/in     |          |
| Linear Mold Shrinkage, Transverse | 0.012 - 0.015 cm/cm   | 0.012 - 0.015 in/in       |          |

| Mechanical Properties     | Metric                | English               | Comments |
|---------------------------|-----------------------|-----------------------|----------|
| Tensile Strength at Break | 40.0 MPa              | 5800 psi              |          |
|                           | @Temperature 150 Â°C  | @Temperature 302 Â°F  |          |
|                           | 45.0 MPa              | 6530 psi              |          |
|                           | @Temperature 120 Â°C  | @Temperature 248 Â°F  |          |
|                           | 60.0 MPa              | 8700 psi              |          |
|                           | @Temperature 90.0 Â°C | @Temperature 194 Â°F  |          |
|                           | 75.0 MPa              | 10900 psi             |          |
|                           | @Temperature 60.0 Â°C | @Temperature 140 Â°F  |          |
|                           | 120 MPa               | 17400 psi             |          |
|                           | @Temperature 23.0 Â°C | @Temperature 73.4 Â°F |          |
| Elongation at Break       | 2.7 %                 | 2.7 %                 |          |
|                           | @Temperature 23.0 Â°C | @Temperature 73.4 Â°F |          |
|                           | 3.6 %                 | 3.6 %                 |          |
|                           | @Temperature 60.0 Â°C | @Temperature 140 Â°F  |          |
|                           | 5.5 %                 | 5.5 %                 |          |
|                           | @Temperature 90.0 Â°C | @Temperature 194 Â°F  |          |

| Mechanical Properties   | Metric                | English               | Comments |
|-------------------------|-----------------------|-----------------------|----------|
|                         | @Temperature 120 Å°C  | @Temperature 248 Å°F  |          |
|                         | 6.2 %                 | 6.2 %                 |          |
|                         | @Temperature 150 Å°C  | @Temperature 302 Å°F  |          |
| Tensile Modulus         | 2.60 GPa              | 377 ksi               |          |
|                         | @Temperature 150 Å°C  | @Temperature 302 Å°F  |          |
|                         | 3.30 GPa              | 479 ksi               |          |
|                         | @Temperature 120 Å°C  | @Temperature 248 Å°F  |          |
|                         | 4.20 GPa              | 609 ksi               |          |
|                         | @Temperature 90.0 Å°C | @Temperature 194 Å°F  |          |
|                         | 5.70 GPa              | 827 ksi               |          |
|                         | @Temperature 60.0 Å°C | @Temperature 140 Å°F  |          |
|                         | 8.50 GPa              | 1230 ksi              |          |
|                         | @Temperature 23.0 Å°C | @Temperature 73.4 Å°F |          |
| Charpy Impact Unnotched | 5.00 J/cmÅ²           | 23.8 ft-lb/inÅ²       |          |
| Charpy Impact, Notched  | 0.600 J/cmÅ²          | 2.86 ft-lb/inÅ²       |          |

| Thermal Properties                          | Metric              | English              | Comments |
|---|---------------------|----------------------|----------|
| Maximum Service Temperature, Air            | 130 Å°C             | 266 Å°F              |          |
| Deflection Temperature at 0.46 MPa (66 psi) | 215 Å°C             | 419 Å°F              |          |
| Deflection Temperature at 1.8 MPa (264 psi) | 200 Å°C             | 392 Å°F              |          |
| Vicat Softening Point                       | 205 Å°C             | 401 Å°F              |          |
|   | @Load 5.00 kg       | @Load 11.0 lb        |          |
| Flammability, UL94                          | HB                  | HB                   |          |
|   | @Thickness 3.00 mm  | @Thickness 0.118 in  |          |
|   | HB                  | HB                   |          |
|   | @Thickness 1.50 mm  | @Thickness 0.0591 in |          |
|   | HB                  | HB                   |          |
|   | @Thickness 0.750 mm | @Thickness 0.0295 in |          |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Oxygen Index       | 23.5   | 23.5    |          |

| Processing Properties | Metric                           | English                          | Comments |
|-----------------------|----------------------------------|----------------------------------|----------|
| Melt Temperature      | 240 - 250 Â°C                    | 464 - 482 Â°F                    |          |
| Mold Temperature      | 70.0 - 90.0 Â°C                  | 158 - 194 Â°F                    |          |
| Drying Temperature    | 110 - 130 Â°C<br>@Time 10800 sec | 230 - 266 Â°F<br>@Time 3.00 hour |          |

| Descriptive Properties   | Value  | Comments |
|--------------------------|--------|----------|
| ISO Shrinkage - Pressure | 60 MPa |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China