

## LATI Latene® AG7H K/30 PP Homopolymer, 30% Carbon Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

### Material Notes:

Polypropylene homopolymer (PPh) based compound. Chemical grafting Heat stabilized. Carbon fiber. Good thermal properties. 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-Latene-AG7H-K30-PP-Homopolymer-30-Carbon-Fiber-Reinforced-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_LATI-Latene-AG7H-K30-PP-Homopolymer-30-Carbon-Fiber-Reinforced-Heat-Stabilized.php)

| Physical Properties               | Metric                | English                   | Comments |
|-----------------------------------|-----------------------|---------------------------|----------|
| Density                           | 1.06 g/cc             | 0.0383 lb/in <sup>3</sup> |          |
| Linear Mold Shrinkage, Flow       | 0.0020 - 0.0050 cm/cm | 0.0020 - 0.0050 in/in     |          |
| Linear Mold Shrinkage, Transverse | 0.0075 - 0.0105 cm/cm | 0.0075 - 0.0105 in/in     |          |

| Mechanical Properties     | Metric                  | English              | Comments |
|---------------------------|-------------------------|----------------------|----------|
| Tensile Strength at Break | 25.0 MPa                | 3630 psi             |          |
|                           | @Temperature 90.0<br>°C | @Temperature 194 °F  |          |
|                           | 35.0 MPa                | 5080 psi             |          |
|                           | @Temperature 60.0<br>°C | @Temperature 140 °F  |          |
|                           | 55.0 MPa                | 7980 psi             |          |
|                           | @Temperature 23.0<br>°C | @Temperature 73.4 °F |          |
| Elongation at Break       | 0.90 %                  | 0.90 %               |          |
|                           | @Temperature 23.0<br>°C | @Temperature 73.4 °F |          |
|                           | 1.3 %                   | 1.3 %                |          |
|                           | @Temperature 60.0<br>°C | @Temperature 140 °F  |          |
|                           | 2.3 %                   | 2.3 %                |          |
|                           | @Temperature 90.0<br>°C | @Temperature 194 °F  |          |
| Tensile Modulus           | 7.90 GPa                | 1150 ksi             |          |
|                           | @Temperature 90.0<br>°C | @Temperature 194 °F  |          |
|                           | 11.0 GPa                |                      |          |

| Mechanical Properties   | Metric                   | English                          | Comments |
|-------------------------|--------------------------|----------------------------------|----------|
|                         | @Temperature 60.0<br>Â°C | 1600 ksi<br>@Temperature 140 Â°F |          |
|                         | 15.0 GPa                 | 2180 ksi                         |          |
|                         | @Temperature 23.0<br>Â°C | @Temperature 73.4 Â°F            |          |
| Charpy Impact Unnotched | 0.500 J/cmÂ²             | 2.38 ft-lb/inÂ²                  |          |
| Charpy Impact, Notched  | 0.400 J/cmÂ²             | 1.90 ft-lb/inÂ²                  |          |

| Thermal Properties                             | Metric        | English       | Comments |
|--|---------------|---------------|----------|
| Maximum Service Temperature, Air               | 125 Â°C       | 257 Â°F       |          |
| Deflection Temperature at 0.46 MPa<br>(66 psi) | 160 Â°C       | 320 Â°F       |          |
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 140 Â°C       | 284 Â°F       |          |
| Vicat Softening Point                          | 160 Â°C       | 320 Â°F       |          |
|  | @Load 5.00 kg | @Load 11.0 lb |          |

| Processing Properties | Metric          | English         | Comments |
|-----------------------|-----------------|-----------------|----------|
| Melt Temperature      | 200 - 240 Â°C   | 392 - 464 Â°F   |          |
| Mold Temperature      | 40.0 - 60.0 Â°C | 104 - 140 Â°F   |          |
| Drying Temperature    | 80.0 - 90.0 Â°C | 176 - 194 Â°F   |          |
|                       | @Time 10800 sec | @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