

## Fiberfil® J-62/30/E Polypropylene Copolymer, 30% Glass Fiber Reinforced, Chemically coupled

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Information provided by FIBERFIL Engineered Plastics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Fiberfil-J-6230E-Polypropylene-Copolymer-30-Glass-Fiber-Reinforced-Chemically-coupled.php](http://www.lookpolymers.com/polymer_Fiberfil-J-6230E-Polypropylene-Copolymer-30-Glass-Fiber-Reinforced-Chemically-coupled.php)

| Physical Properties   | Metric                | English               | Comments                       |
|-----------------------|-----------------------|-----------------------|--------------------------------|
| Specific Gravity      | 1.125 g/cc            | 1.125 g/cc            | ASTM D792                      |
| Water Absorption      | 0.030 %               | 0.030 %               | 24 hr; ASTM D570               |
| Linear Mold Shrinkage | 0.0020 - 0.0030 cm/cm | 0.0020 - 0.0030 in/in | ASTM D955                      |
|                       | @Thickness 3.17 mm    | @Thickness 0.125 in   |                                |
|                       | 0.0030 - 0.0040 cm/cm | 0.0030 - 0.0040 in/in | ASTM D955                      |
|                       | @Thickness 6.35 mm    | @Thickness 0.250 in   |                                |
| Melt Flow             | 7.0 g/10 min          | 7.0 g/10 min          | 230/2.16 (typical); ASTM D1238 |

| Mechanical Properties   | Metric             | English             | Comments           |
|-------------------------|--------------------|---------------------|--------------------|
| Hardness, Rockwell R    | 90 - 100           | 90 - 100            | ASTM D785          |
| Tensile Strength, Yield | 60.7 MPa           | 8800 psi            | ASTM D638          |
| Elongation at Yield     | 3.7 %              | 3.7 %               | ASTM D638          |
| Tensile Modulus         | 4.83 GPa           | 700 ksi             | ASTM D638          |
| Flexural Strength       | 100 MPa            | 14500 psi           | ASTM D790          |
| Flexural Modulus        | 4.48 GPa           | 650 ksi             | Tangent; ASTM D790 |
| Izod Impact, Notched    | 1.28 J/cm          | 2.40 ft-lb/in       | ASTM D256          |
|                         | @Thickness 3.17 mm | @Thickness 0.125 in |                    |

| Thermal Properties                          | Metric | English | Comments  |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 146 °C | 295 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 136 °C | 276 °F  | ASTM D648 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

| Processing Properties     | Metric 10 °C      | English 10 °F   | Comments                     |
|---------------------------|-------------------|-----------------|------------------------------|
| Middle Barrel Temperature | 204 - 227 °C      | 400 - 440 °F    |                              |
| Front Barrel Temperature  | 182 - 199 °C      | 360 - 390 °F    |                              |
| Nozzle Temperature        | 182 - 193 °C      | 360 - 380 °F    |                              |
| Melt Temperature          | 199 - 232 °C      | 390 - 450 °F    |                              |
| Mold Temperature          | 32.2 - 71.1 °C    | 90.0 - 160 °F   |                              |
| Drying Temperature        | 76.7 °C           | 170 °F          | Drying not normally required |
| Dry Time                  | 2 hour            | 2 hour          | Drying not normally required |
| Moisture Content          | <= 0.20 %         | <= 0.20 %       | recommended for molding      |
| Back Pressure             | 0.000 - 0.689 MPa | 0.000 - 100 psi |                              |

## 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