

## Asahi Kasei Thermylene® P6-30FG-0708 30% Glass Fiber Reinforced, High Impact

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

### Material Notes:

Information provided by Asahi Thermofil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Asahi-Kasei-Thermylene-P6-30FG-0708-30-Glass-Fiber-Reinforced-High-Impact.php](http://www.lookpolymers.com/polymer_Asahi-Kasei-Thermylene-P6-30FG-0708-30-Glass-Fiber-Reinforced-High-Impact.php)

| Physical Properties   | Metric       | English      | Comments   |
|-----------------------|--------------|--------------|------------|
| Specific Gravity      | 1.13 g/cc    | 1.13 g/cc    | ASTM D792  |
| Linear Mold Shrinkage | 0.0030 cm/cm | 0.0030 in/in | ASTM D955  |
| Melt Flow             | 1.3 g/10 min | 1.3 g/10 min | ASTM D1238 |

| Mechanical Properties   | Metric    | English       | Comments   |
|-------------------------|-----------|---------------|------------|
| Hardness, Rockwell R    | 85        | 85            | ASTM D785  |
| Tensile Strength, Yield | 68.9 MPa  | 10000 psi     | ASTM D638  |
| Elongation at Yield     | 5.0 %     | 5.0 %         | ASTM D638  |
| Flexural Strength       | 96.5 MPa  | 14000 psi     | ASTM D790  |
| Flexural Modulus        | 4.34 GPa  | 630 ksi       | ASTM D790  |
| Izod Impact, Notched    | 2.14 J/cm | 4.00 ft-lb/in | ASTM D256  |
| Izod Impact, Unnotched  | 8.54 J/cm | 16.0 ft-lb/in | ASTM D4812 |

| Thermal Properties                          | Metric | English | Comments  |
|---------------------------------------------|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 154 °C | 310 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 144 °C | 291 °F  | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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