

## Asahi Kasei Thermylene® P6-20FG-0153 20% Glass Fiber Reinforced, UV Stable

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% 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-P6-20FG-0153-20-Glass-Fiber-Reinforced-UV-Stable.php](http://www.lookpolymers.com/polymer_Asahi-Kasei-Thermylene-P6-20FG-0153-20-Glass-Fiber-Reinforced-UV-Stable.php)

| Physical Properties   | Metric        | English       | Comments   |
|-----------------------|---------------|---------------|------------|
| Specific Gravity      | 1.04 g/cc     | 1.04 g/cc     | ASTM D792  |
| Linear Mold Shrinkage | 0.0040 cm/cm  | 0.0040 in/in  | ASTM D955  |
| Melt Flow             | 12.5 g/10 min | 12.5 g/10 min | ASTM D1238 |

| Mechanical Properties   | Metric     | English       | Comments   |
|-------------------------|------------|---------------|------------|
| Hardness, Rockwell R    | 94         | 94            | ASTM D785  |
| Tensile Strength, Yield | 68.9 MPa   | 10000 psi     | ASTM D638  |
| Elongation at Yield     | 3.0 %      | 3.0 %         | ASTM D638  |
| Flexural Strength       | 100 MPa    | 14500 psi     | ASTM D790  |
| Flexural Modulus        | 3.65 GPa   | 530 ksi       | ASTM D790  |
| Izod Impact, Notched    | 0.801 J/cm | 1.50 ft-lb/in | ASTM D256  |
| Izod Impact, Unnotched  | 5.34 J/cm  | 10.0 ft-lb/in | ASTM D4812 |

| Thermal Properties                          | Metric | English | Comments  |
|---------------------------------------------|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 157 °C | 315 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 149 °C | 300 °F  | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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