

## Asahi Kasei Thermylene® P-40FG-0860 40% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% 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-P-40FG-0860-40-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Asahi-Kasei-Thermylene-P-40FG-0860-40-Glass-Fiber-Reinforced.php)

| Physical Properties   | Metric       | English      | Comments   |
|-----------------------|--------------|--------------|------------|
| Specific Gravity      | 1.23 g/cc    | 1.23 g/cc    | ASTM D792  |
| Linear Mold Shrinkage | 0.0030 cm/cm | 0.0030 in/in | ASTM D955  |
| Melt Flow             | 3.0 g/10 min | 3.0 g/10 min | ASTM D1238 |

| Mechanical Properties   | Metric    | English       | Comments   |
|-------------------------|-----------|---------------|------------|
| Hardness, Rockwell R    | 100       | 100           | ASTM D785  |
| Tensile Strength, Yield | 108 MPa   | 15700 psi     | ASTM D638  |
| Elongation at Yield     | 3.0 %     | 3.0 %         | ASTM D638  |
| Flexural Strength       | 146 MPa   | 21200 psi     | ASTM D790  |
| Flexural Modulus        | 6.89 GPa  | 1000 ksi      | ASTM D790  |
| Izod Impact, Notched    | 1.23 J/cm | 2.30 ft-lb/in | ASTM D256  |
| Izod Impact, Unnotched  | 7.47 J/cm | 14.0 ft-lb/in | ASTM D4812 |

| Thermal Properties                          | Metric               | English              | Comments  |
|---------------------------------------------|----------------------|----------------------|-----------|
| CTE, linear                                 | 32.4 µm/m-°C         | 18.0 µin/in-°F       | ASTM D696 |
|                                             | @Temperature 20.0 °C | @Temperature 68.0 °F |           |
| Deflection Temperature at 0.46 MPa (66 psi) | 149 °C               | 300 °F               | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 143 °C               | 290 °F               | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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