

Asahi Kasei Thermylene® P-05FG-0870 5% Glass Reinforced, UV Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% 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-05FG-0870-5-Glass-Reinforced-UV-Stabilized.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|------------|
| Specific Gravity | 0.950 g/cc | 0.950 g/cc | ASTM D792 |
| Linear Mold Shrinkage | 0.0070 cm/cm | 0.0070 in/in | ASTM D955 |
| Melt Flow | 10 g/10 min | 10 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|---------------|------------|
| Hardness, Rockwell R | 110 | 110 | ASTM D785 |
| Tensile Strength, Yield | 37.9 MPa | 5500 psi | ASTM D638 |
| Elongation at Yield | 5.0 % | 5.0 % | ASTM D638 |
| Flexural Strength | 51.7 MPa | 7500 psi | ASTM D790 |
| Flexural Modulus | 1.65 GPa | 240 ksi | ASTM D790 |
| Izod Impact, Notched | 0.641 J/cm | 1.20 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 4.27 J/cm | 8.00 ft-lb/in | ASTM D4812 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 104 °C | 220 °F | ASTM D648 |

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