

## Asahi Kasei Thermylene® P7-40FG-0600 40% Glass Fiber Reinforced, Heat Stabilized

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-P7-40FG-0600-40-Glass-Fiber-Reinforced-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_Asahi-Kasei-Thermylene-P7-40FG-0600-40-Glass-Fiber-Reinforced-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 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	116	116	ASTM D785
Tensile Strength, Yield	117 MPa	17000 psi	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Strength	159 MPa	23000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.94 J/cm	13.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
CTE, linear	23.4 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	13.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM D696
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	166 $^{\circ}\text{C}$	330 $^{\circ}\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	157 $^{\circ}\text{C}$	315 $^{\circ}\text{F}$	ASTM D648

### Contact Songhan Plastic Technology Co.,Ltd.

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