

## Asahi Kasei Thermylene® P6-40FG-0684 40% Glass Fiber Reinforced, Heat and UV 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-P6-40FG-0684-40-Glass-Fiber-Reinforced-Heat-and-UV-Stabilized.php](http://www.lookpolymers.com/polymer_Asahi-Kasei-Thermylene-P6-40FG-0684-40-Glass-Fiber-Reinforced-Heat-and-UV-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	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ASTM D785
Tensile Strength, Yield	103 MPa	15000 psi	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm	2.20 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	32.4 $\mu\text{m}/\text{m}\cdot\text{°C}$	18.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
	@Temperature 20.0 $\text{°C}$	@Temperature 68.0 $\text{°F}$	
Deflection Temperature at 0.46 MPa (66 psi)	163 $\text{°C}$	325 $\text{°F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	152 $\text{°C}$	305 $\text{°F}$	ASTM D648
Flammability, UL94	HB	HB	0.0591 in thickness

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

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215, Fengxian District, Shanghai City, China**