

Asahi Kasei Thermylene® F6-10FG-0100 10% Glass Fiber Reinforced, Chemically Coupled

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Information provided by Asahi Thermofil

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Kasei-Thermylene-F6-10FG-0100-10-Glass-Fiber-Reinforced-Chemically-Coupled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	65	65	ASTM D785
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Tensile Modulus	2.62 GPa	380 ksi	ASTM D638
Flexural Strength	44.8 MPa	6500 psi	ASTM D790
Flexural Modulus	1.52 GPa	220 ksi	ASTM D790
Izod Impact, Notched	1.01 J/cm	1.90 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.87 J/cm	11.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
CTE, linear	73.8 $\mu\text{m/m-}^{\circ}\text{C}$	41.0 $\mu\text{in/in-}^{\circ}\text{F}$	ASTM D696
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	110 $^{\circ}\text{C}$	230 $^{\circ}\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	87.8 $^{\circ}\text{C}$	190 $^{\circ}\text{F}$	ASTM D648

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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