

## Asahi Kasei Thermofil N-13FG-1626 13% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 10% Glass Fiber Filled

**Material Notes:**

Information provided by Asahi Thermofil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Asahi-Kasei-Thermofil-N-13FG-1626-13-Glass-Fiber-Reinforced-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_Asahi-Kasei-Thermofil-N-13FG-1626-13-Glass-Fiber-Reinforced-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	103 MPa	15000 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Strength	172 MPa	25000 psi	ASTM D790
Flexural Modulus	4.83 GPa	700 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.27 J/cm	8.00 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
CTE, linear	45.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature 20.0 $^\circ\text{C}$	25.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature 68.0 $^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	213 $^\circ\text{C}$	415 $^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	199 $^\circ\text{C}$	390 $^\circ\text{F}$	ASTM D648
Flame Spread	5.1 mm/min	0.20 in/min	Horizontal Burn Rate; FMVSS302

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

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