

Asahi Kasei Thermofil N3-13FG-1626 13% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 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-N3-13FG-1626-13-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	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	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	4.48 GPa	650 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm	0.700 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	48.6 $\mu\text{m}/\text{m}\cdot\text{°C}$	27.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	249 °C	480 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	243 °C	470 °F	ASTM D648

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