

Asahi Kasei Thermylene® P6-20FG-0693 20% Glass Fiber Reinforced, Heat and UV Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% 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-P6-20FG-0693-20-Glass-Fiber-Reinforced-Heat-and-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785
Tensile Strength, Yield	86.2 MPa	12500 psi	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Strength	115 MPa	16700 psi	ASTM D790
Flexural Modulus	3.93 GPa	570 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm	1.80 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.41 J/cm	12.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	152 °C	305 °F	ASTM D648
Flame Spread	23 mm/min	0.90 in/min	Horizontal Burn Rate; FMVSS302

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