

Asahi Kasei Thermylene® P7-40FG-1804 40% Glass Fiber Reinforced, Chemically Coupled

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-P7-40FG-1804-40-Glass-Fiber-Reinforced-Chemically-Coupled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955
Melt Flow	3.0 g/10 min	3.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	114 MPa	16500 psi	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	7.24 GPa	1050 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm	2.20 ft-lb/in	ASTM D256
Izod Impact, Unnotched	7.47 J/cm	14.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	163 °C	325 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	154 °C	310 °F	ASTM D648

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