

Ovation Polymers UTTAP™ SF 50030 GF Polyether Sulfone, 30% Glass Fiber

Category : Polymer , Thermoplastic , Polyethersulfone (PES) , Polyethersulfone (PES), 30%Glass Fiber Filled

Material Notes:

Excellent chemical and electrical resistance, high stiffness, modulus and HDTAll properties after 48hrs conditioning at 23°C/50% RH

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-UTTAP-SF-50030-GF-Polyether-Sulfone-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	169 MPa	24500 psi	50 mm/min; ASTM D638
Elongation at Break	3.5 %	3.5 %	50 mm/min; ASTM D638
Tensile Modulus	6.60 GPa	957 ksi	50 mm/min; ASTM D638
Flexural Strength	221 MPa	32100 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	11.3 GPa	1640 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.801 J/cm @Temperature 23.0 °C	1.50 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 210 °C @Thickness 3.20 mm	>= 410 °F @Thickness 0.126 in	Unannealed; ASTM D648
Glass Transition Temp, Tg	225 °C	437 °F	ASTM D3482

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