

UTTAP SF 50020 GF

Polyethersulfone

Ovation Polymers Inc.

Message:

Glass reinforced (20 %) Polyether Sulfone. Excellent chemical and electrical resistance, high stiffness, modulus and HDT.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Electrically Insulating		
	Good Chemical Resistance		
	High Heat Resistance		
	High Stiffness		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	6500	MPa	ASTM D638
Tensile Strength ² (Yield)	125	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.2	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	8200	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 50.0 mm Span)	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 205	°C	ASTM D648
Glass Transition Temperature	224	°C	DSC
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		

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