

UTTAP SF 50030 GF

Polyethersulfone

Ovation Polymers Inc.

Message:

Glass reinforced (30 %) Polyether Sulfone, excellent chemical and electrical resistance, high stiffness, modulus and HDT.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Rigidity, high		
	Good electrical performance		
	Good chemical resistance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	6600	MPa	ASTM D638
Tensile Strength ² (Yield)	169	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.5	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	11300	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 50.0 mm Span)	221	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	216	°C	ASTM D648
Glass Transition Temperature	225	°C	DSC
Additional Information			
DTUL @ 264 psi - Unannealed, ASTM D648, 3.2 mm: >216°C			
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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