

Product Data Sheet

UTTAP™ – SF 50020 GF

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

Properties*	Standard	Unit	Typical Value
Physical			
Specific Gravity	D 792		1.52
Mechanical			
Tensile Stress @ yld, 50 mm/min	D 638	MPa.	125
Tensile Strain @ brk, 50 mm/min	D 638	%	3.2
Tensile Modulus, 50 mm/min	D 638	MPa.	6500
Flexural Stress @ yld, 1.3 mm/min, 50 mm span	D 790	MPa.	160
Flexural Modulus, 1.3 mm/min, 50 mm span	D 790	MPa.	8200
Izod Impact, notched @ 23°C	D 256	J/m	75
Thermal			
HDT @ 264 psi, 3.2 mm, unannealed	D 648	°C	> 205
Glass Transition Temperature	D 3482	°C	224

*All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance.

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