

Product Data Sheet

UTTAP™ – SF 50030 GF

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

| Properties* | Standard | Unit | Typical Value |
|---|----------|------|---------------|
| Physical | | | |
| Specific Gravity | D 792 | | 1.62 |
| Mechanical | | | |
| Tensile Stress @ yld, 50 mm/min | D 638 | MPa. | 169 |
| Tensile Strain @ brk, 50 mm/min | D 638 | % | 3.5 |
| Tensile Modulus, 50 mm/min | D 638 | MPa. | 6600 |
| Flexural Stress @ yld, 1.3 mm/min, 50 mm span | D 790 | MPa. | 221 |
| Flexural Modulus, 1.3 mm/min, 50 mm span | D 790 | MPa. | 11300 |
| Izod Impact, notched @ 23°C | D 256 | J/m | 80 |
| Thermal | | | |
| HDT @ 264 psi, 3.2 mm, unannealed | D 648 | °C | > 210 |
| Glass Transition Temperature | D 3482 | °C | 225 |

*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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