

CELSTRAN® TPU-GF40-01 AF3001 Natural

The Celstran ® long glass fiber reinforced TPU materials provide very low moisture absorption, good creep resistance, excellent chemical resistance and extreme toughness.

Typical mechanical properties

Tensile Modulus	1.66E6 psi	ISO 527-1/-2
Stress at break, 5mm/min	31000 psi	ISO 527-1/-2
Strain at break, 5mm/min	2.52 %	ISO 527-1/-2
Flexural Modulus	1.53E6 psi	ISO 178
Flexural Strength	47300 psi	ISO 178
Charpy notched impact strength, 23°C	24.3 ftlb/in ²	ISO 179/1eA
Izod notched impact strength, 23°C	24 ftlb/in ²	ISO 180/1A

Other properties

Density	13 lb/gal	ISO 1183
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