

CELSTRAN® TPU-GF40-04 AF3001 Natural

The Celstran® long glass fiber reinforced TPU materials provide very low moisture absorption, good creep resistance, excellent chemical resistance and extreme toughness. The -04 grade provides enhanced temperature performance.

Typical mechanical properties

Tensile Modulus	1.64E6 psi	ISO 527-1/-2
Stress at break, 5mm/min	32600 psi	ISO 527-1/-2
Strain at break, 5mm/min	2.55 %	ISO 527-1/-2
Flexural Modulus	1.52E6 psi	ISO 178
Flexural Strength	50800 psi	ISO 178
Charpy notched impact strength, 23°C	18.6 ftlb/in ²	ISO 179/1eA

Other properties

Density	13 lb/gal	ISO 1183
---------	-----------	----------

