

CELSTRAN® TPU-GF30-01 AF3001 NATURAL

CELSTRAN® Long Fibre

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

Product information

Resin Identification	TPU-LGF30	ISO 1043
Part Marking Code	>TPU-LGF30<	ISO 11469

Typical mechanical properties

Tensile modulus	8600 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	190 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.8 %	ISO 527-1/-2
Flexural modulus	7700 MPa	ISO 178
Flexural strength	280 MPa	ISO 178
Charpy notched impact strength, 23°C	39 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 ^[C]	

[C]: Calculated

Physical/Other properties

Density	1430 kg/m ³	ISO 1183
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Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	Low Warpage