

CELSTRAN® PA66-GF30-02-D AF3001 NATURAL

CELSTRAN® Long Fibre

Celstran® PA66-GF30-02 is a 30% long glass fiber Polyamide. This material imparts excellent impact and modulus properties that exceed that of short fiber PA66.

Product information

Resin Identification	PA66-LGF30	ISO 1043
Part Marking Code	>PA66-LGF30<	ISO 11469

Typical mechanical properties

Tensile modulus	9900 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	165 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.9 %	ISO 527-1/-2
Flexural modulus	8600 MPa	ISO 178
Flexural strength	280 MPa	ISO 178
Charpy notched impact strength, 23°C	29 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	252 °C	ISO 75-1/-2
---	--------	-------------

Physical/Other properties

Density	1360 kg/m ³	ISO 1183
---------	------------------------	----------

Injection

Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.18 %
Min. mould temperature	80 °C
Max. mould temperature	100 °C

Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	Heat stabilised or stable to heat