

CELSTRAN® PA66-GF40-07

40% long fiber glass reinforced, enhanced flow, Nylon 6/6
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Typical mechanical properties

Tensile Modulus	13000 MPa	ISO 527-1/-2
Stress at break, 5mm/min	205 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2 %	ISO 527-1/-2
Flexural Modulus	12100 MPa	ISO 178
Flexural Strength	320 MPa	ISO 178
Charpy notched impact strength, 23°C	23 kJ/m ²	ISO 179/1eA

Other properties

Density	1460 kg/m ³	ISO 1183
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Injection

Drying Temperature	70 - 80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	0.18 %
Max. mould temperature	80 - 100 °C

Processing Texts

Pre-drying CELSTRAN PA should in principle be predried. Because of the necessary low maximum residual moisture content the use of dry air dryers is recommended. The dew point should be $\leq -30^{\circ}\text{C}$. The time between drying and processing should be as short as possible.

Longer pre-drying times/storage Note: Material can be over dried and may discolor.

