

# CELSTRAN® PA66-GF50-07

50% long fiber glass reinforced, enhanced flow, Nylon 6/6  
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## Typical mechanical properties

Tensile Modulus	16600 MPa	ISO 527-1/-2
Stress at break, 5mm/min	230 MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.8 %	ISO 527-1/-2
Flexural Modulus	15000 MPa	ISO 178
Flexural Strength	360 MPa	ISO 178
Charpy notched impact strength, 23°C	33 kJ/m <sup>2</sup>	ISO 179/1eA

## Other properties

Density	1560 kg/m <sup>3</sup>	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 ≤ -30°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.

