

# CELSTRAN® PA66-GF50-28 AD3020

## CELSTRAN® Long Fibre

### Product information

Resin Identification	PA66-LGF50	ISO 1043
Part Marking Code	>PA66-LGF50<	ISO 11469

### Typical mechanical properties

Tensile modulus	16100 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	235 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.8 %	ISO 527-1/-2
Flexural modulus	14300 MPa	ISO 178
Flexural strength	380 MPa	ISO 178
Charpy notched impact strength, 23 °C	37 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.33 <sup>[C]</sup>	

[C]: Calculated

### Physical/Other properties

Density	1560 kg/m <sup>3</sup>	ISO 1183
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### Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.2 %
Melt Temperature Optimum	295 °C
Min. melt temperature	285 °C
Max. melt temperature	305 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	100 °C
Min. mould temperature	70 °C
Max. mould temperature	120 °C
Hold pressure range	50 - 100 MPa
Back pressure	3 MPa

### Characteristics

Processing	Injection Moulding
Special characteristics	Heat stabilised or stable to heat

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