

# CELSTRAN® PP-GF50-10

## CELSTRAN® Long Fibre

50% long fiber glass reinforced, enhanced flow, UV stabilized, Polypropylene

### Product information

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

### Typical mechanical properties

Tensile modulus	11000 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	107 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.7 %	ISO 527-1/-2
Flexural modulus	11000 MPa	ISO 178
Flexural strength	180 MPa	ISO 178
Charpy notched impact strength, 23°C	17 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.34 <sup>[C]</sup>	

[C]: Calculated

### Flammability

Burning Behav. at thickness h	HB <sup>[1]</sup> class	IEC 60695-11-10
Thickness tested	1 mm	IEC 60695-11-10

[1]: horizontal burn rate of roughly 62 mm/min

### Physical/Other properties

Density	1340 kg/m <sup>3</sup>	ISO 1183
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### Injection

Back pressure	3 MPa
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### Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	High Flow

### Additional information

Processing Notes

#### Pre-Drying

It is normally not necessary to dry CELSTRAN PP. However, should there be surface moisture (condensate) on the molding compound as a result of incorrect storage, drying is required.

#### Storage

The product can then be stored in standard conditions until processed.

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Page: 2 of 2

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