

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 ²	ISO 179/1eA
Poisson's ratio	0.34 ^[C]	

[C]: Calculated

Flammability

Burning Behav. at thickness h	HB ^[1] 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 ³	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.