

CELSTRAN® PEHD-GF40-01

CELSTRAN® Long Fibre

40% long fiber glass reinforced, High Density Polyethylene

Product information

Resin Identification	(PE-HD)-LGF40	ISO 1043
Part Marking Code	>(PE-HD)-LGF40<	ISO 11469

Typical mechanical properties

Tensile modulus	8250 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	120 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.3 %	ISO 527-1/-2
Flexural modulus	7500 MPa	ISO 178
Flexural strength	180 MPa	ISO 178
Charpy notched impact strength, 23 °C	40 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 ^[C]	

[C]: Calculated

Physical/Other properties

Density	1270 kg/m ³	ISO 1183
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Injection

Ejection temperature	106 °C
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Characteristics

Processing	Injection Moulding
Delivery form	Pellets

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.