

CELSTRAN® PEHD-GF40-01

40% long fiber glass reinforced High Density Polyethylene
 40% long fiber glass reinforced, High Density Polyethylene

Typical mechanical properties

Tensile Modulus	8250 MPa	ISO 527-1/-2
Stress at break, 5mm/min	120 MPa	ISO 527-1/-2
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

Other properties

Density	1270 kg/m ³	ISO 1183
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Injection

Drying Temperature	90 - 100 °C	
Drying Time, Dehumidified Dryer	2 h	
Processing Moisture Content	0.2 %	
Melt Temperature Optimum	235 °C	Internal
Max. mould temperature	40 - 70 °C	

Processing Texts

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.
Longer pre-drying times/storage	The product can then be stored in standard conditions until processed.

