

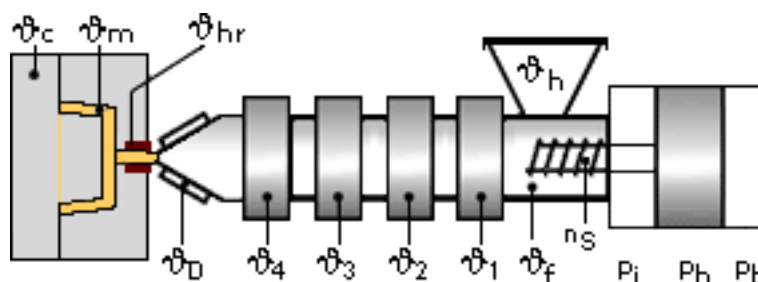
CELSTRAN® PP-GF50-02-Black | PP | Glass Reinforced

Description

50% long strand glass fiber chemically coupled polypropylene, Black

Physical properties	Value	Unit	Test Standard
Density	1330	kg/m³	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile modulus (1mm/min)	11100	MPa	ISO 527-2/1A
Tensile modulus (80°C)	8300	MPa	ISO 527-2/1A
Tensile strength (80°C)	75	MPa	ISO 527-2/1A
Tensile stress at break (5mm/min)	125	MPa	ISO 527-2/1A
Tensile strain at break (5mm/min)	1.8	%	ISO 527-2/1A
Elongation at break (80°C)	2.2	%	ISO 527-2/1A
Flexural modulus (23°C)	11400	MPa	ISO 178
Flexural modulus (80°C)	8000	MPa	ISO 178
Flexural strength (23°C)	215	MPa	ISO 178
Flexural strength (80°C)	120	MPa	ISO 178
Charpy impact strength @ 23°C	54.0	kJ/m²	ISO 179/1eU
Charpy impact strength @ -30°C	52.0	kJ/m²	ISO 179/1eU
Charpy notched impact strength @ 23°C	26.0	kJ/m²	ISO 179/1eA
Charpy notched impact strength @ -30°C	26.0	kJ/m²	ISO 179/1eA
Thermal properties	Value	Unit	Test Standard
DTUL @ 1.8 MPa	158	°C	ISO 75-1/-2

Typical injection moulding processing conditions



Pre Drying:

Necessary low maximum residual moisture content: 0.2%

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.

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

Drying time: 2.00 h

Drying temperature: 90 - 100 °C

CELSTRAN® PP-GF50-02-Black | PP | Glass Reinforced

Temperature:

	°Mold	°Melt	°Nozzle	°Zone4	°Zone3	°Zone2	°Zone1	°Feed
min (°C)	40	230	230	230	230	220	220	20
max (°C)	70	250	250	250	250	230	230	50