

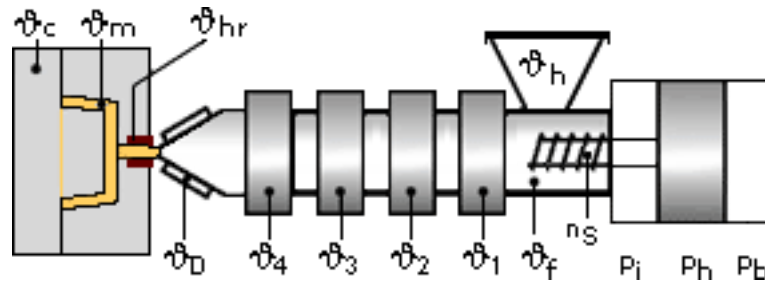
## CELSTRAN® PP-GF50-03-Black | PP | Glass Reinforced

### Description

50% long glass fiber reinforced, chemically coupled, heat stabilized, Polypropylene BLACK

Physical properties	Value	Unit	Test Standard
Density	1330	kg/m <sup>3</sup>	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile modulus (1mm/min)	10300	MPa	ISO 527-2/1A
Tensile stress at break (5mm/min)	115	MPa	ISO 527-2/1A
Tensile strain at break (5mm/min)	1.8	%	ISO 527-2/1A
Flexural modulus (23°C)	10500	MPa	ISO 178
Flexural strength (23°C)	200	MPa	ISO 178
Charpy notched impact strength @ 23°C	25	kJ/m <sup>2</sup>	ISO 179/1eA

### 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

#### Temperature:

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