



# CELSTRAN® PP-GF30-03-AD3002

# CELSTRAN® Long Fibre

30% long glass fiber reinforced, chemically coupled, heat stabilized, Polypropylene BLACK

#### **Product information**

Resin Identification	PP-LGF30	ISO 1043
Part Marking Code	>PP-LGF30<	ISO 11469

### Typical mechanical properties

Tensile modulus	7000	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	110	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.2	%	ISO 527-1/-2
Flexural modulus	7000	MPa	ISO 178
Flexural strength	180	MPa	ISO 178
Charpy impact strength, 23°C	55	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	48	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	24	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	22	kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.35 <sup>[C]</sup>		

[C]: Calculated

# Thermal properties

Temperature of deflection under load	, 1.8 MPa	158 °C	ISO 75-1/-2

# Flammability

Burning Behav. at thickness h	HB <sup>[1]</sup> class	IEC 60695-11-10
Thickness tested	1 mm	IEC 60695-11-10
[1]: 23 4 mm/min		

# Physical/Other properties

Density 1120 kg/m<sup>3</sup> ISO 1183

### Injection

Back pressure	3	MPa
Ejection temperature	115	°C

#### 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.

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Storage

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

**Automotive** 

OEM

STANDARD

MS-DB-21 / CPN-3778

ADDITIONAL INFORMATION

Black

Stellantis - Chrysler

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