

CELSTRAN® PP-GF40-03-Black

40% long glass fiber reinforced, chemically coupled, heat stabilized. PP
 40% long glass fiber reinforced, chemically coupled, heat stabilized, Polypropylene BLACK

Typical mechanical properties

Tensile Modulus	8350 MPa	ISO 527-1/-2
Stress at break, 5mm/min	114 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2 %	ISO 527-1/-2
Flexural Modulus	8250 MPa	ISO 178
Flexural Strength	190 MPa	ISO 178
Charpy notched impact strength, 23°C	30 kJ/m ²	ISO 179/1eA

Thermal properties

Temp. of deflection under load, 1.8 MPa	158 °C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	161 °C	ISO 75-1/-2
Temp. of deflection under load, 8 MPa	130 °C	ISO 75-1/-2

Flammability

Burning Behav. at thickness h	HB class	UL 94
Thickness tested	1.00 mm	UL 94

Other properties

Density	1210 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	225 °C	Internal
Screw tangential speed	0.1 m/s	
Max. mould temperature	30 - 70 °C	
Back pressure	3 MPa	
Injection speed	slow	

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.



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Other Approvals

Other Approvals

OEM	Specification	Additional Information
Stellantis - Chrysler	CPN 3608	Black

