

CELSTRAN® PP-GF40-03-BLACK

CELSTRAN® Long Fibre

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

Product information

Resin Identification	PP-LGF40	ISO 1043
Part Marking Code	>PP-LGF40<	ISO 11469

Typical mechanical properties

Tensile modulus	8350 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	114 MPa	ISO 527-1/-2
Tensile 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
Poisson's ratio	0.34 ^[C]	

[C]: Calculated

Thermal properties

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

Flammability

Burning Behav. at thickness h	HB class	IEC 60695-11-10
Thickness tested	1 mm	IEC 60695-11-10

Physical/Other properties

Density	1210 kg/m ³	ISO 1183
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Injection

Back pressure	3 MPa
Ejection temperature	117 °C

Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	Heat stabilised or stable to heat

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.

Storage

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

Automotive

OEM

Stellantis

Stellantis - Chrysler

STANDARD

MS-DB-21 / PP-H.LGF40.5000F.15C.HS

MS-DB-21 / CPN-3608

ADDITIONAL INFORMATION

CPN3608 BLACK

Black