Celanese
The chemistry inside innovation™

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/m²	ISO 179/1eU
Charpy notched impact strength, 23 °C	24	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30 °C	22	kJ/m²	ISO 179/1eA
Poisson's ratio	0.35[C]		

[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[1]	class	IEC 60695-11-10
Thickness tested	1	mm	IEC 60695-11-10

[1]: 23.4 mm/min

Physical/Other properties

Density	1120	kg/m³	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	ADDITIONAL INFORMATION
Stellantis - Chrysler	MS-DB-21 / CPN-3778	Black

Revised: 2024-01-23 Source: Celanese Materials Database