

POLIFOR® CL40 GF/30 UV

POLIFOR®

Polypropylene, copolymer, 30% glass fiber reinforced, chemically coupled, UV stabilised.

Product information

Resin Identification	PP-GF30	ISO 1043
Part Marking Code	>PP-GF30<	ISO 11469

Rheological properties

Melt mass-flow rate	15 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

Typical mechanical properties

Tensile modulus	6550 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	70 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.8 %	ISO 527-1/-2
Flexural modulus	6400 MPa	ISO 178
Charpy impact strength, 23°C	50 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	11 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	13 kJ/m ²	ISO 180/1A
Poisson's ratio	0.35 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	140 °C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	124 °C	ISO 306

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
Burning Behav. at thickness h	HB class	IEC 60695-11-10
Thickness tested	3.2 mm	IEC 60695-11-10

Physical/Other properties

Density	1120 kg/m ³	ISO 1183
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Characteristics

Processing	Injection Moulding
Special characteristics	U.V. stabilised or stable to weather