

POLIFOR® L10 GF/30 H3 X2

POLIFOR®

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, high heat stabilization

Product information

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

Rheological properties

Melt mass-flow rate	7 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

Typical mechanical properties

Tensile modulus	7000 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	82 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.7 %	ISO 527-1/-2
Flexural modulus	6900 MPa	ISO 178
Charpy impact strength, 23 °C	45 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23 °C	9 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.35 ^[C]	
[C]: Calculated		

Thermal properties

Temperature of deflection under load, 1.8 MPa	146 °C	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	18.2 E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	139 E-6/K	ISO 11359-1/-2

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
FMVSS Class	B	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	78.2 mm/min	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	1140 kg/m ³	ISO 1183
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Injection

Ejection temperature	114 °C
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Characteristics

Processing	Injection Moulding
Special characteristics	Heat stabilised or stable to heat

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Automotive

OEM

General Motors
Stellantis
Stellantis - Chrysler
VW Group

STANDARD

GMW16607P-PP-GF30
MS.50042 / PP-H.GF30.9400F.9I.HS
MS.50042 / CPN-3580
VW 44045

ADDITIONAL INFORMATION

Black
CPN3580
Black