

POLIFOR® CL15 GF/30 H3 X3

POLIFOR®

Polypropylene, copolymer, 30% glass fiber reinforced, chemically coupled, Heat stabilized; based on recycled plastics, content depends on plastics availability

Product information

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

Rheological properties

Melt mass-flow rate	6 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage range, parallel	0.2 - 0.5 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.4 - 0.7 %	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	5900 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	62 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	5 %	ISO 527-1/-2
Flexural modulus	5500 MPa	ISO 178
Charpy impact strength, 23°C	55 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	15 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.35 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	134 °C	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	20 E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	170 E-6/K	ISO 11359-1/-2

Physical/Other properties

Density	1130 kg/m ³	ISO 1183
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Characteristics

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

Automotive

OEM	STANDARD
Stellantis	MS.50042 / PP-C-R.GF30.5000F.10I
VW Group	VW 44045