

# POLIFOR® L6 GF/30

## POLIFOR®

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, suggested for use until 120 °C as max operating temperature

### Product information

Resin Identification	PP-GF30	ISO 1043
Part Marking Code	>PP-GF30<	ISO 11469
Continuous Service Temperature	120 °C	IEC 60216-1

### Rheological properties

Melt mass-flow rate	2.5 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage range, parallel	0.1 - 0.4 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.4 - 0.8 %	ISO 294-4, 2577

### Typical mechanical properties

Tensile modulus	6700 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	85 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.5 %	ISO 527-1/-2
Flexural modulus	6700 MPa	ISO 178
Flexural strength	140 MPa	ISO 178
Charpy impact strength, 23 °C	60 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23 °C	13 kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23 °C	13 kJ/m <sup>2</sup>	ISO 180/1A
Poisson's ratio	0.447 <sup>[OT]</sup>	

[OT]: One time tested

### Thermal properties

Temperature of deflection under load, 1.8 MPa	148 °C	ISO 75-1/-2
Vicat softening temperature, 50 °C/h 50N	140 °C	ISO 306

### Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
Thickness tested	1.5 mm	IEC 60695-11-10
UL recognition	yes	UL 94
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	89.1 mm/min	ISO 3795 (FMVSS 302)

### Physical/Other properties

Density	1120 kg/m <sup>3</sup>	ISO 1183
---------	------------------------	----------

# POLIFOR® L6 GF/30

POLIFOR®

## Characteristics

Processing

Injection Moulding

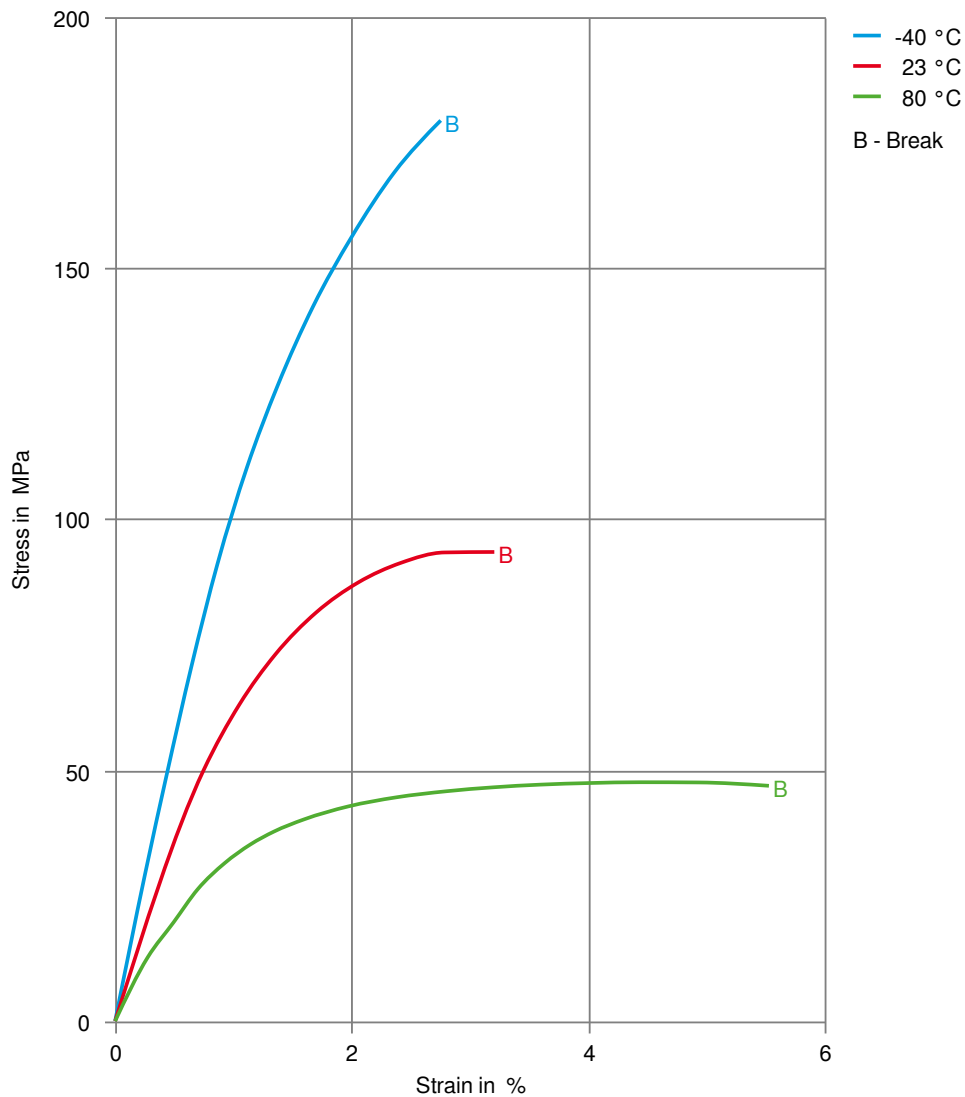
## Additional information

Processing Notes

## Storage

This product should be stored in a covered facility and kept away from moisture and heat.

## Stress-strain



# POLIFOR® L6 GF/30

POLIFOR®

## Secant modulus-strain

