

POLIFOR® L6 GF/30

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

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
Stress at break, 5mm/min	85 MPa	ISO 527-1/-2
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/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	13 kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	13 kJ/m²	ISO 180/1A
Poisson's ratio	0.447	

Thermal properties

Temp. of deflection under load, 1.8 MPa	148 °C	ISO 75-1/-2
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Flammability

Burning Behav. at thickness h	HB class	UL 94
Thickness tested	1.50 mm	UL 94
UL recognition	yes	UL 94

Other properties

Density	1120 kg/m³	ISO 1183
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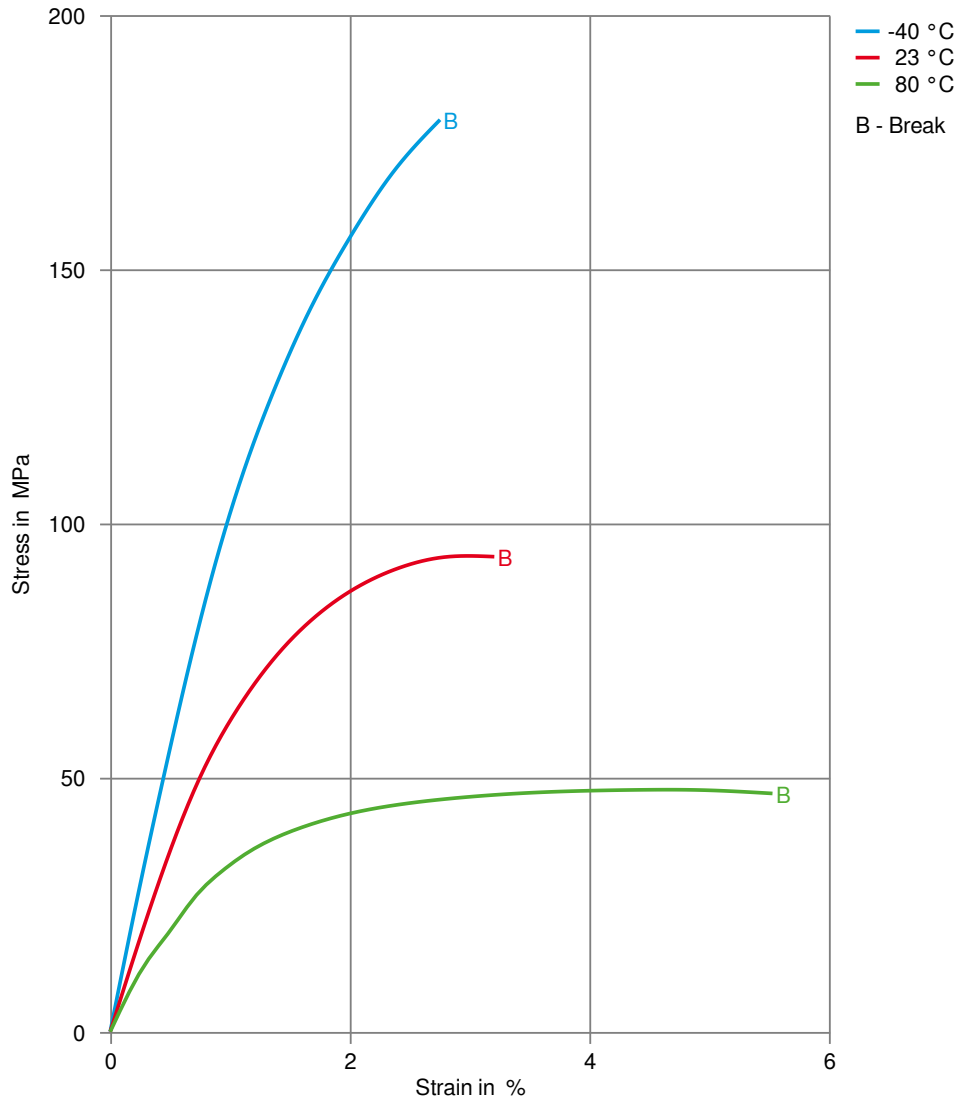
Injection

Drying Temperature	80 - 100 °C
Drying Time, Dehumidified Dryer	2 - 3 h
Max. mould temperature	50 - 80 °C



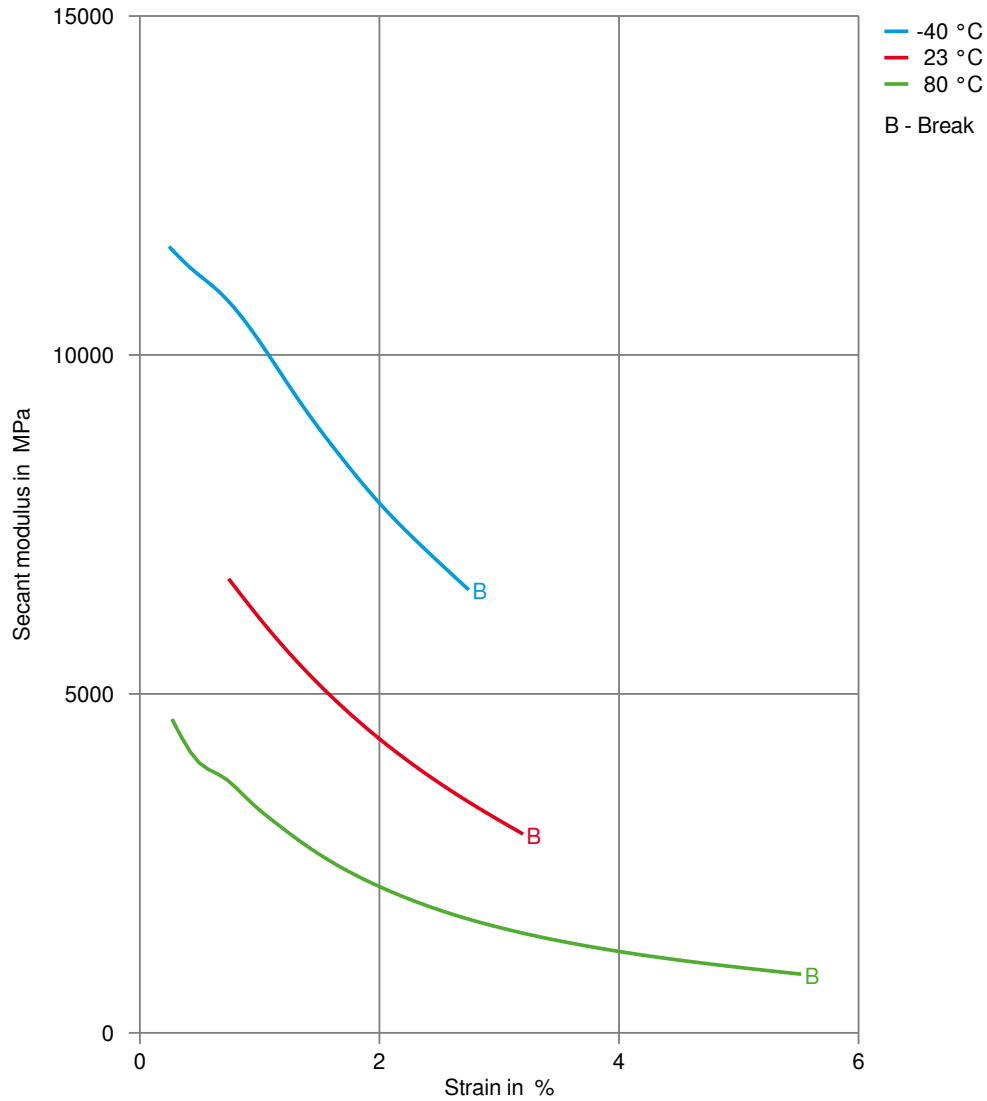
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Stress-strain



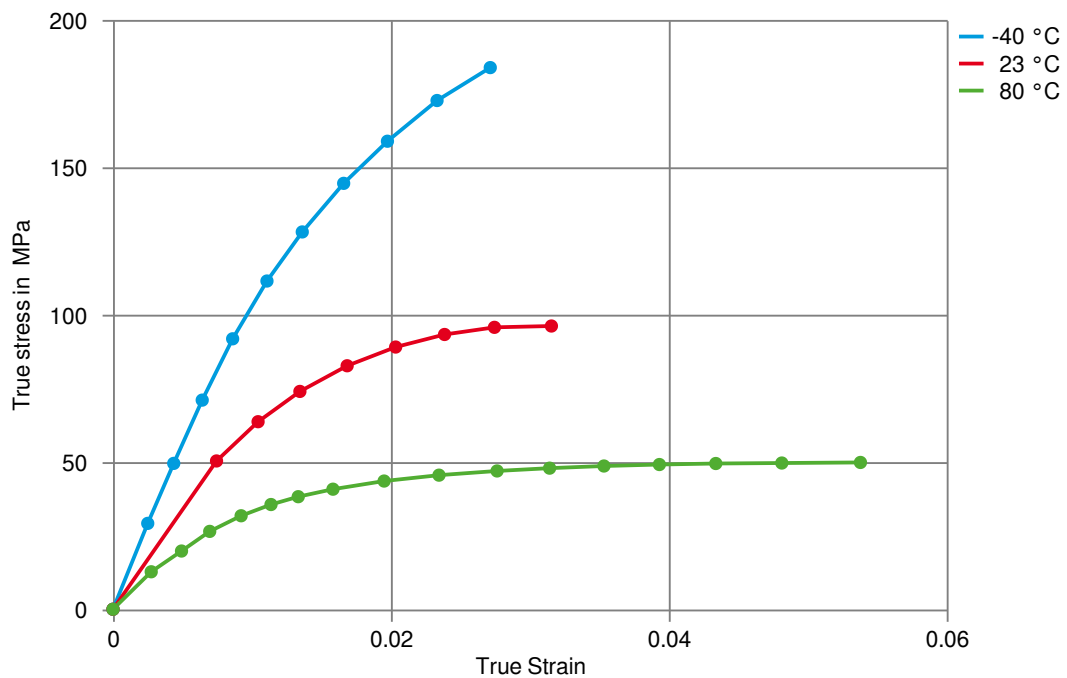
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Secant modulus-strain



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True stress-strain



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Processing Texts

Longer pre-drying times/storage

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

