

TECNOPRENE® FK10

Polypropylene, homopolymer, 50% glass fiber reinforced, chemically coupled.

Typical mechanical properties

Stress at break, 5mm/min	105 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2.5 %	ISO 527-1/-2
Flexural Modulus	10800 MPa	ISO 178
Flexural Strength	170 MPa	ISO 178
Charpy notched impact strength, 23°C	11.5 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	12 kJ/m ²	ISO 180/1A

Thermal properties

Temp. of deflection under load, 1.8 MPa	151 °C	ISO 75-1/-2
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Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	UL 94
Burning Behav. at thickness h	HB class	UL 94

Other properties

Density	1330 kg/m ³	ISO 1183
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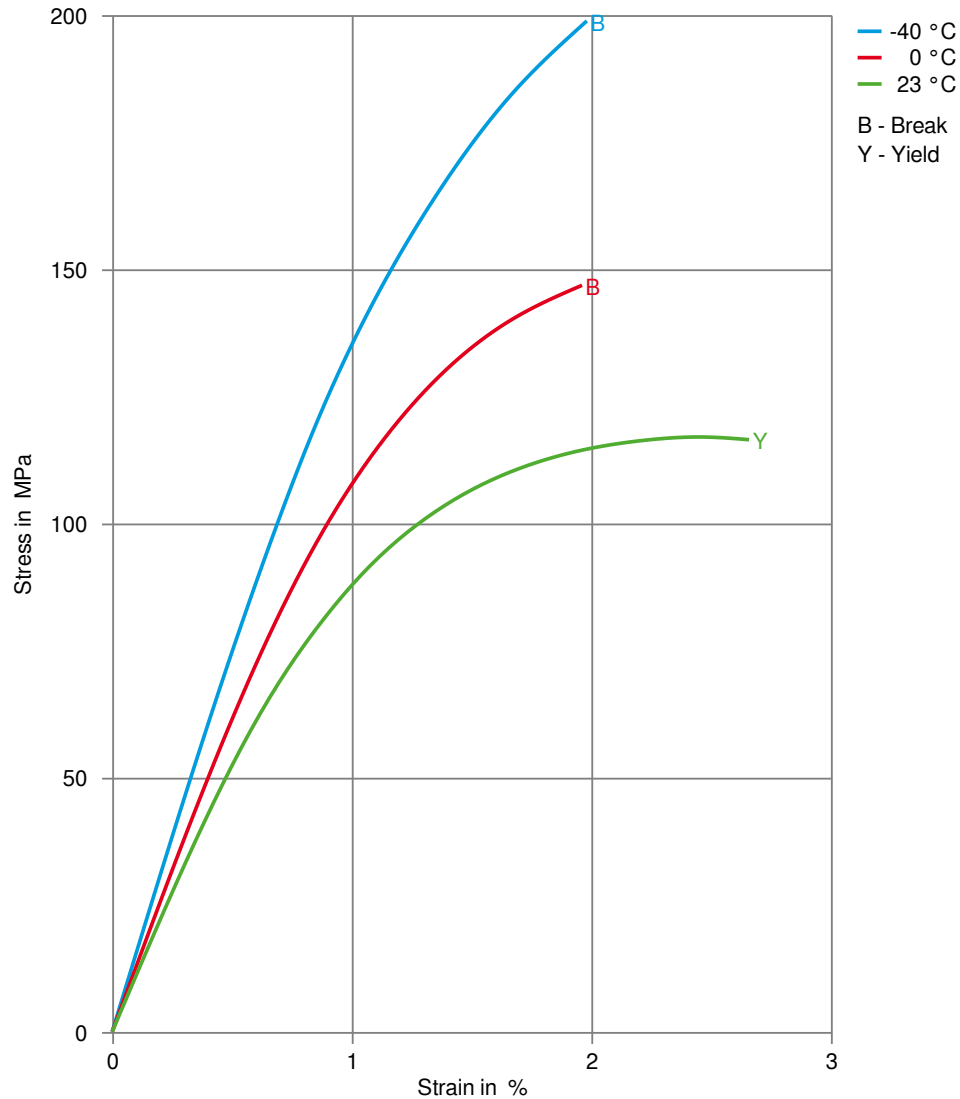
Injection

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



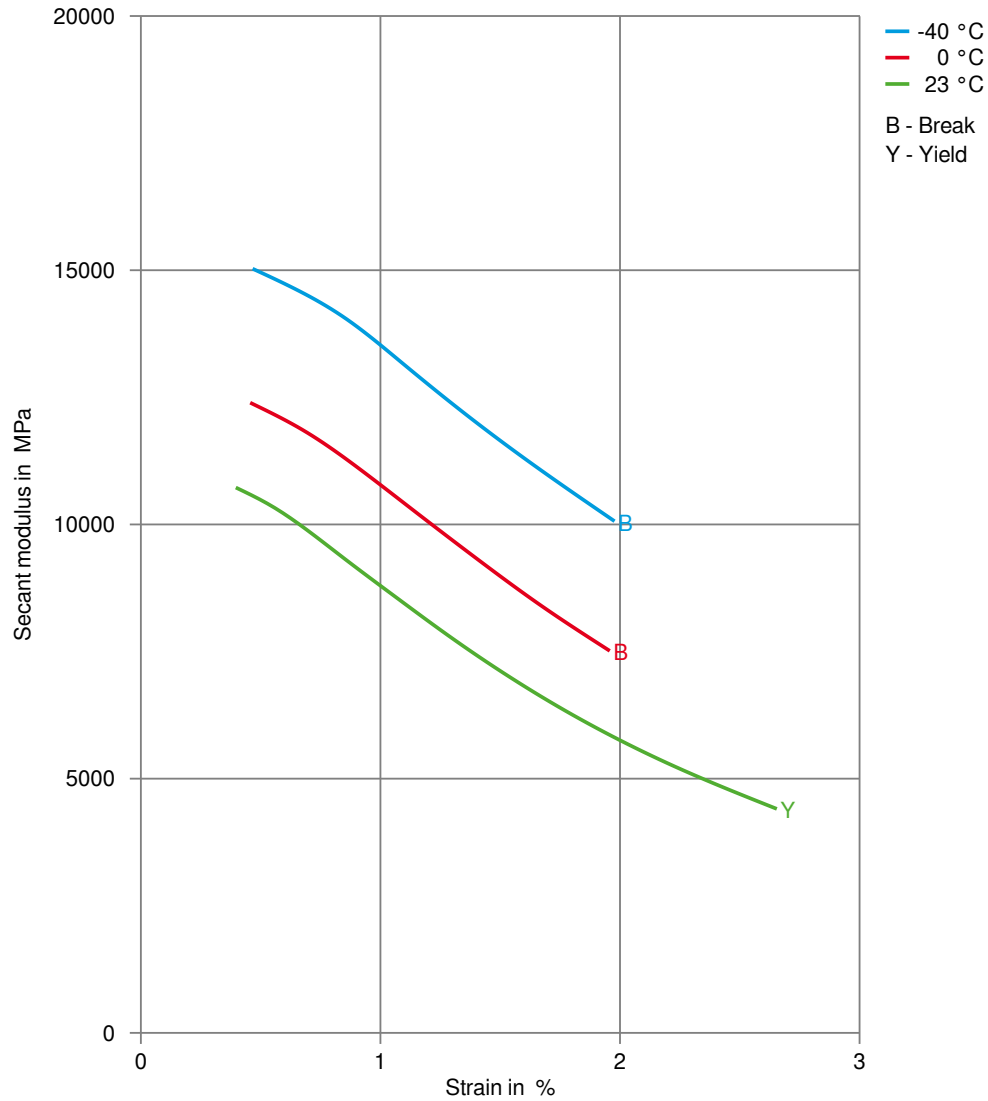
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Stress-strain



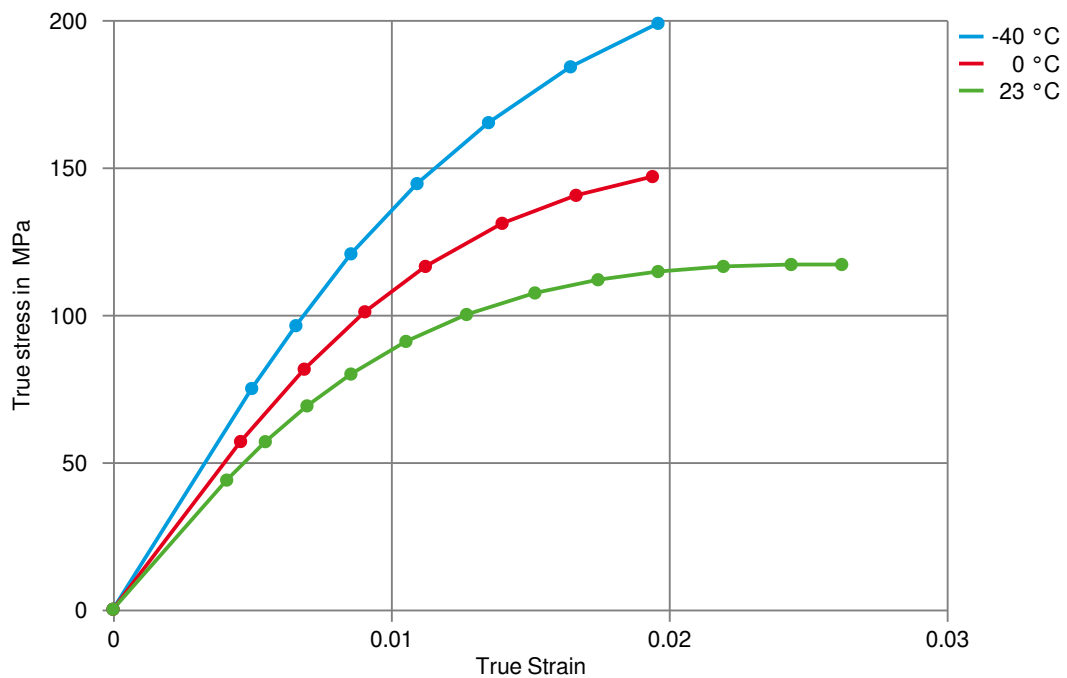
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Secant modulus-strain



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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.

