

CELANYL® B3 HH J8 GF33 BK 9005/1

Typical mechanical properties

Tensile Modulus	9700 MPa	ISO 527-1/-2
Stress at break, 5mm/min	140 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3.1 %	ISO 527-1/-2
Flexural Modulus	9200 MPa	ISO 178
Flexural Strength	235 MPa	ISO 178
Charpy impact strength, 23°C	80 kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	84 kJ/m ²	ISO 179/1eU
Charpy impact strength, -40°C	86 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	21 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	12 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -40°C	12 kJ/m ²	ISO 179/1eA

Other properties

Density	1350 kg/m ³	ISO 1183
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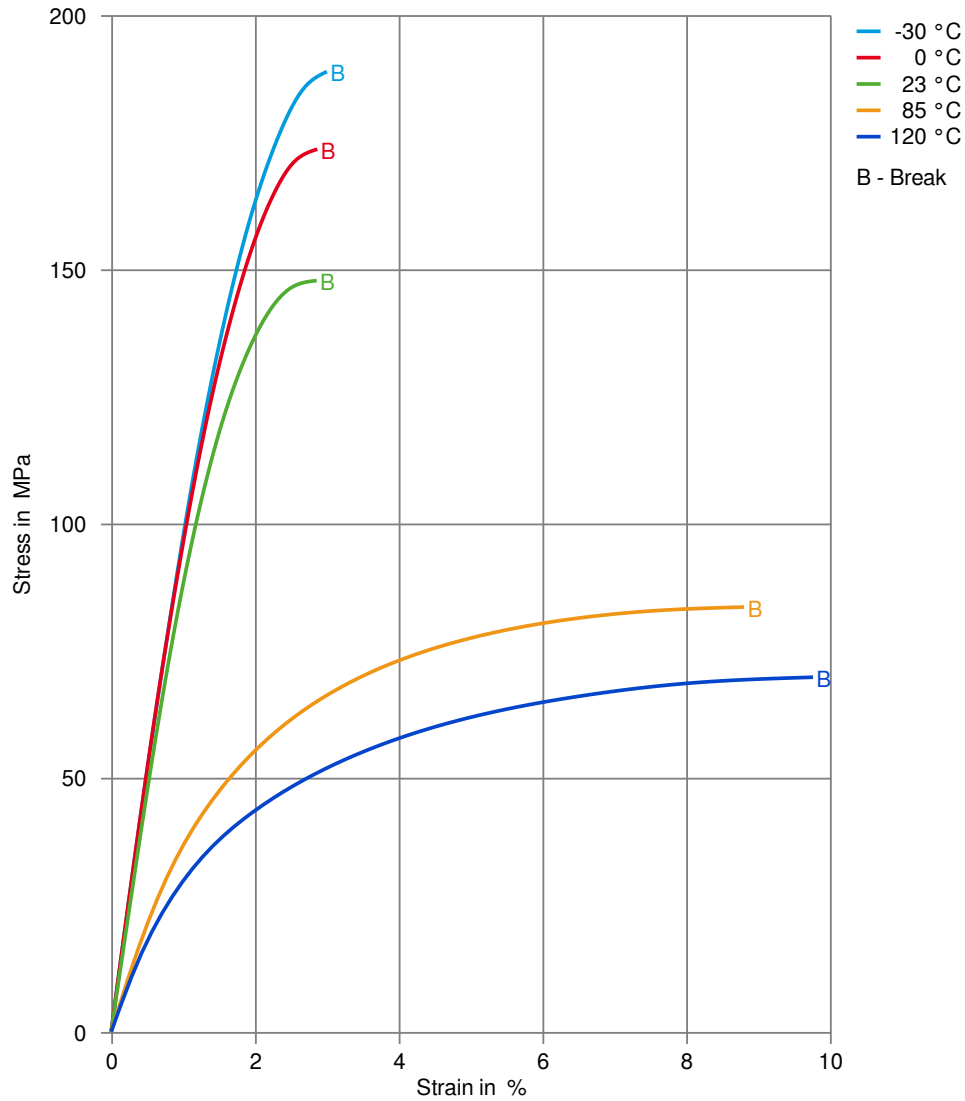
Injection

Drying Temperature	80 - 90 °C
Drying Time, Dehumidified Dryer	4 - 8 h
Processing Moisture Content	0.15 %
Max. mould temperature	60 - 80 °C



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Stress-strain

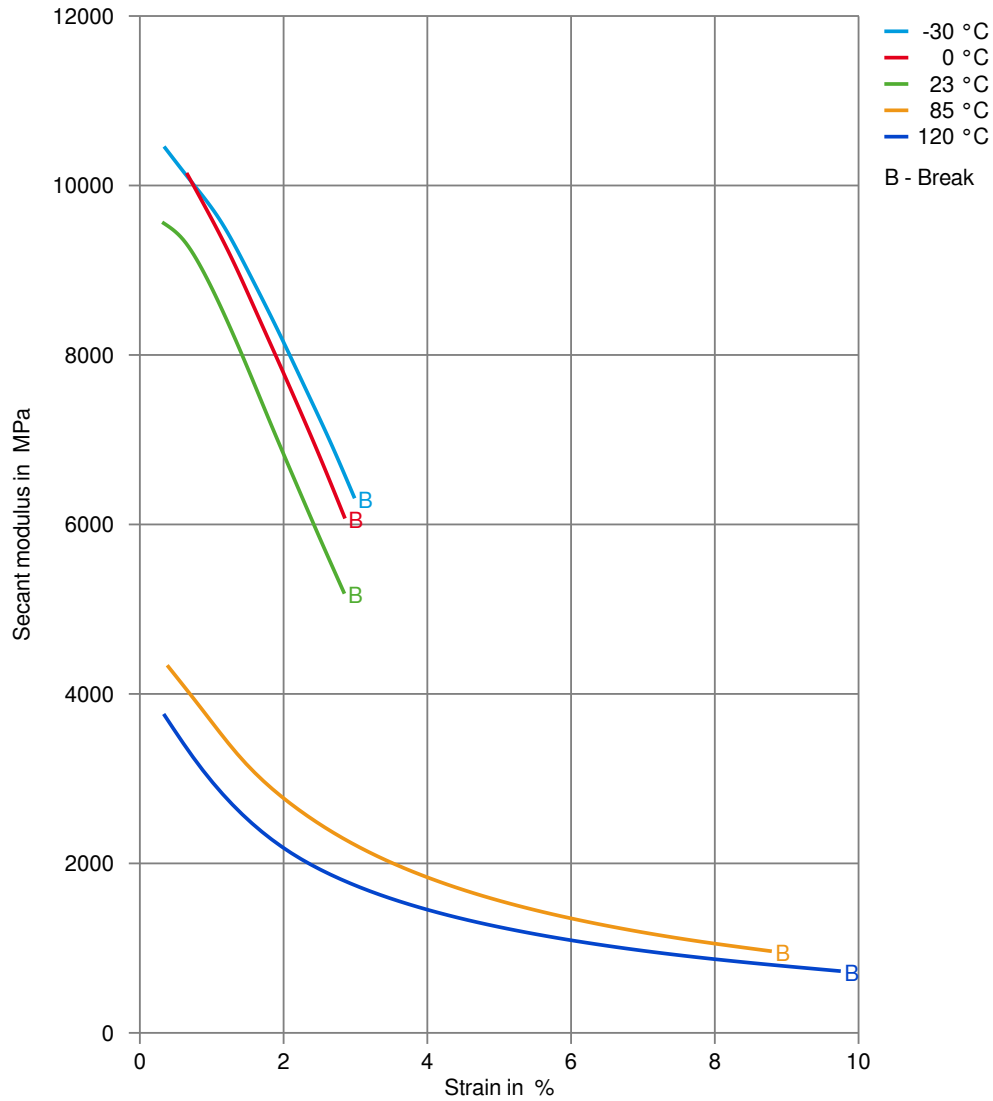


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Secant modulus-strain



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True stress-strain

