

TALCOPRENE® 1522SMT Y1

Polypropylene, homopolymer, 21% mineral filled, high heat stabilization.

Rheological properties

Moulding shrinkage range, parallel	1.1 - 1.5 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.0 - 1.4 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	2300 MPa	ISO 527-1/-2
Yield stress, 50mm/min	30 MPa	ISO 527-1/-2
Yield strain, 50mm/min	4 %	ISO 527-1/-2
Flexural Modulus	2450 MPa	ISO 178
Flexural Strength	40 MPa	ISO 178
Charpy impact strength, 23°C	28 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	3 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30 °C	1.6 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	65 °C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	112 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	90 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120 E-6/K	ISO 11359-1/-2

Flammability

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

Other properties

Density	1060 kg/m ³	ISO 1183
---------	------------------------	----------

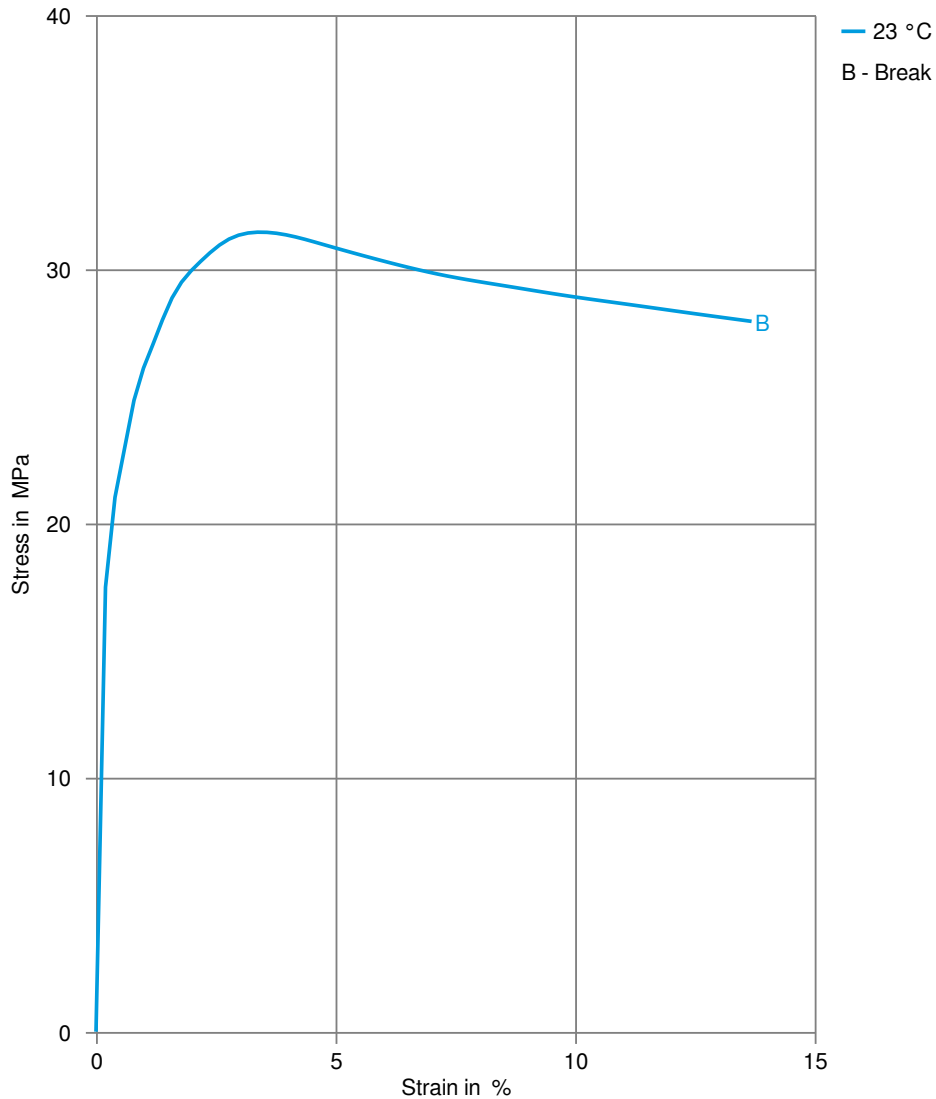
Injection

Drying Temperature	80 - 100 °C
Drying Time, Dehumidified Dryer	2 - 3 h
Max. mould temperature	30 - 60 °C



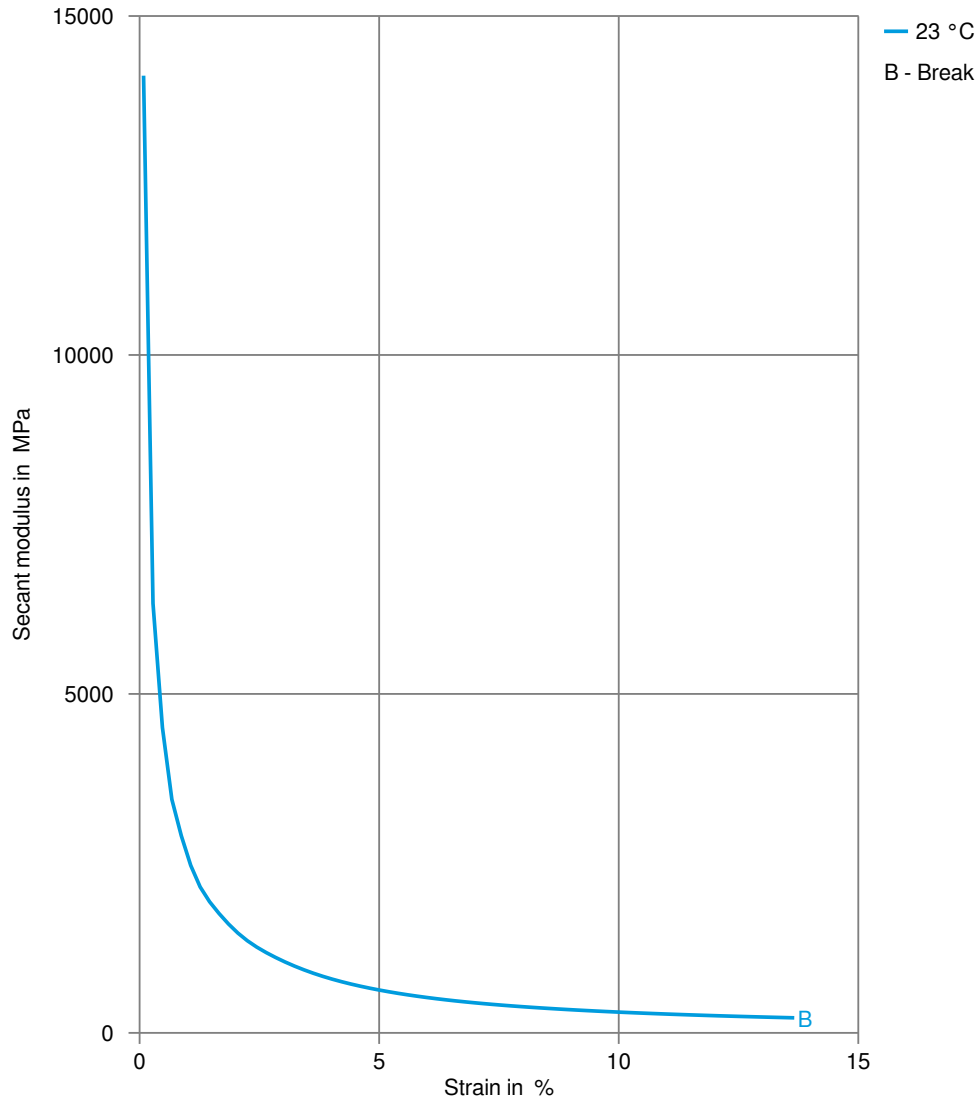
TALCOPRENE® 1522SMT Y1

Stress-strain



TALCOPRENE® 1522SMT Y1

Secant modulus-strain



TALCOPRENE® 1522SMT Y1

Processing Texts

Longer pre-drying times/storage

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

Other Approvals

Other Approvals

OEM	Specification
Mercedes-Benz Group (Daimler)	DBL 5408
VW Group	VW44045

