

TALCOPRENE® 1522SMT Y1

TALCOPRENE®

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

Product information

Resin Identification	PP-T21	ISO 1043
Part Marking Code	>PP-T21<	ISO 11469

Rheological properties

Melt mass-flow rate	15 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage range, parallel	1.1 - 1.5 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1 - 1.4 %	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	2300 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	30 MPa	ISO 527-1/-2
Tensile strain at yield, 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
Poisson's ratio	0.39 ^[C]	

[C]: Calculated

Thermal properties

Melting temperature, 10 °C/min	166 °C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	65 °C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	112 °C	ISO 75-1/-2
Vicat softening temperature, 50 °C/h 50N	91 °C	ISO 306
Coefficient of linear thermal expansion (CLTE), parallel	90 ^[1] E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	120 ^[1] E-6/K	ISO 11359-1/-2

[1]: Temperature range: 23 °C to 80 °C

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
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	57.5 mm/min	ISO 3795 (FMVSS 302)

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Physical/Other properties

Density

1060 kg/m³

ISO 1183

Additional information

Processing Notes

Storage

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

Automotive

OEM

Mercedes-Benz

Stellantis

VW Group

STANDARD

DBL5408

B62 0300 / 61/211E/209M/12/C1B

VW 44045

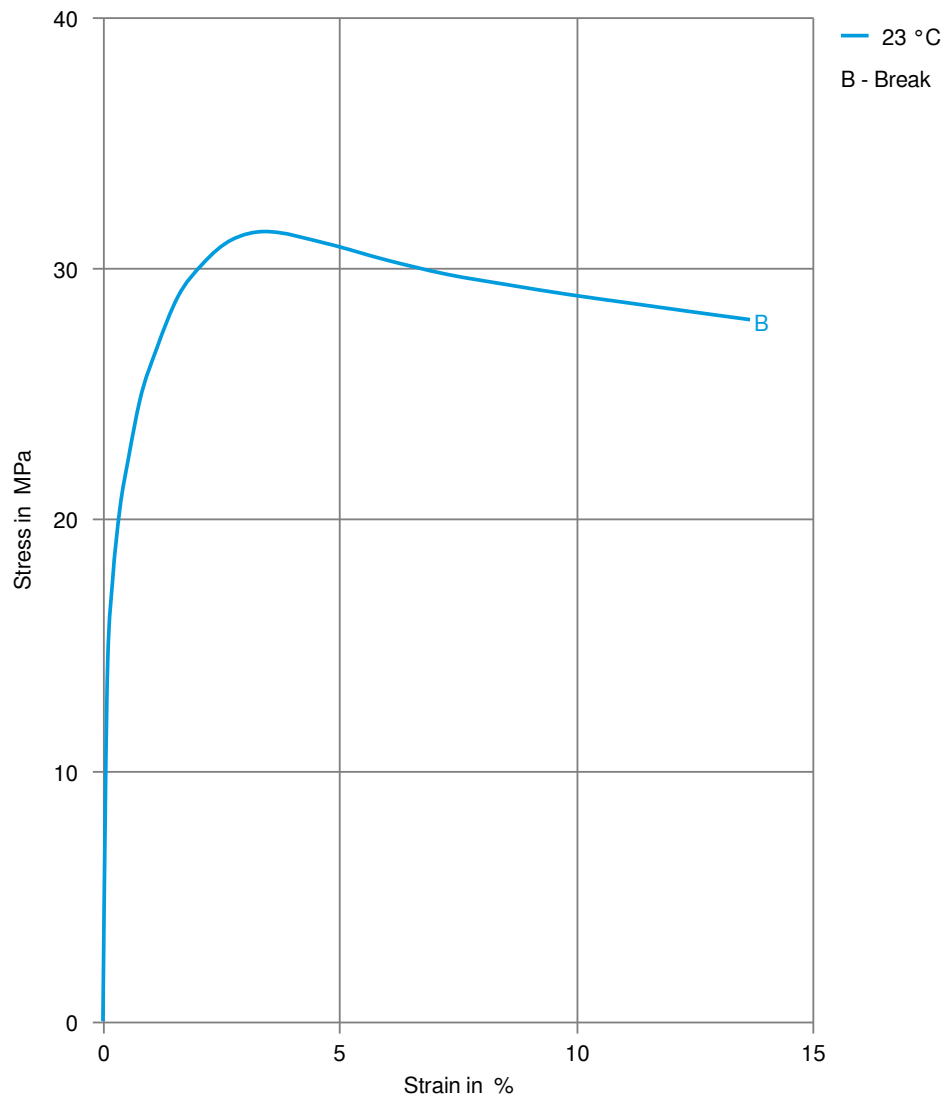
ADDITIONAL INFORMATION

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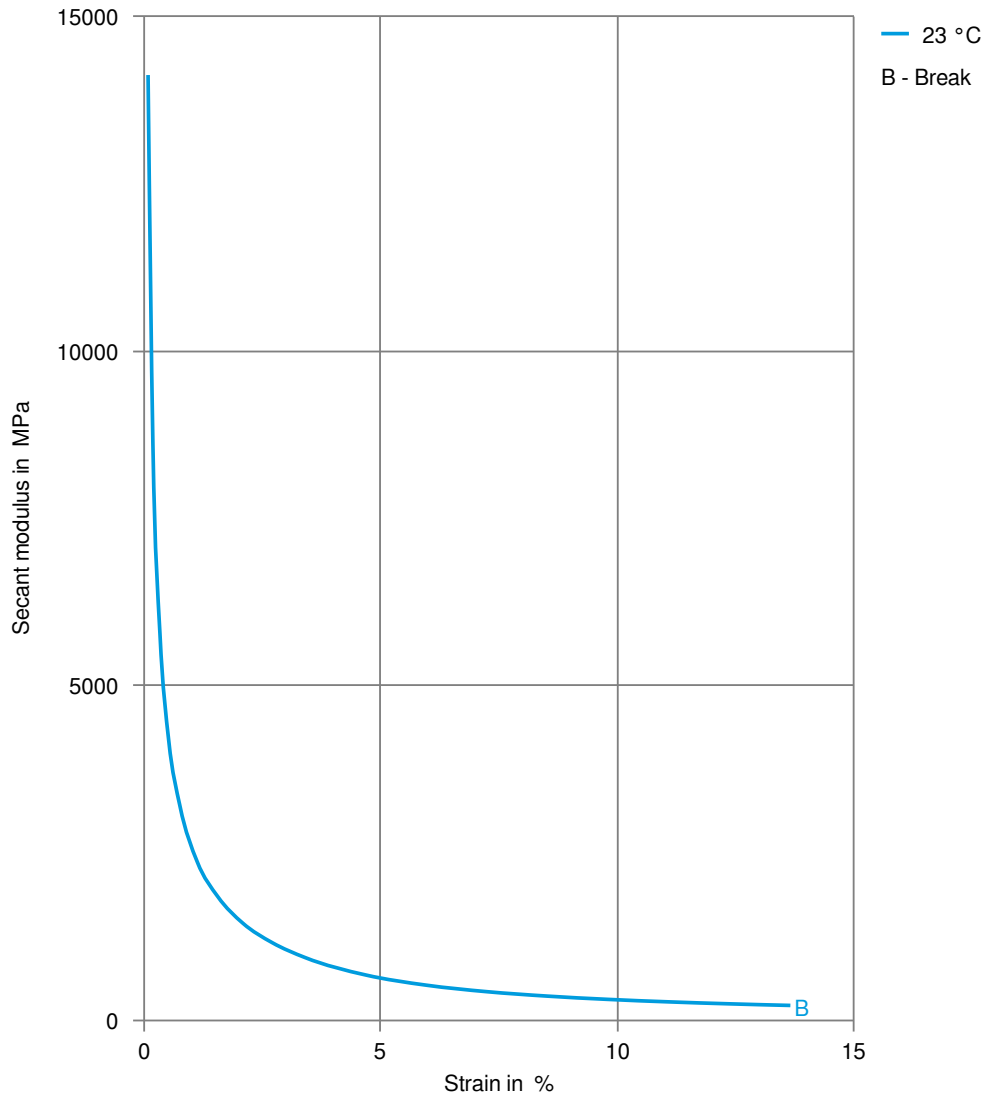
Stress-strain



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Secant modulus-strain



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