

TALCOPRENE® 1020CMV0

Polypropylene, homopolymer, 20% mineral filled, V0, PBDE free. UL listed for Black only.

Rheological properties

Moulding shrinkage, parallel	1.0 %	ISO 294-4, 2577
Moulding shrinkage range, parallel	0.9 - 1.1 %	ISO 294-4, 2577
Moulding shrinkage, normal	0.9 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.8 - 1.0 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	3500 MPa	ISO 527-1/-2
Stress at break, 5mm/min	27 MPa	ISO 527-1/-2
Strain at break, 5mm/min	4 %	ISO 527-1/-2
Flexural Modulus	3900 MPa	ISO 178
Flexural Strength	45 MPa	ISO 178
Charpy impact strength, 23°C	20 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	2 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	2.2 kJ/m ²	ISO 180/1A

Flammability

Burning Behav. at 1.5mm nom. thickn.	V-0 class	UL 94
Burning Behav. at thickness h	V-0 class	UL 94
Glow Wire Flammability Index, 3mm	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature, 3mm	725 °C	IEC 60695-2-13

Electrical properties

Relative permittivity, printed circuits and boards, 2.5 GHz	2.75	IEC 61189-2-721
Dissipation factor, printed circuits and boards, 2.5 GHz	7 E-4	IEC 61189-2-721

Other properties

Density	1380 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	30 - 60 °C

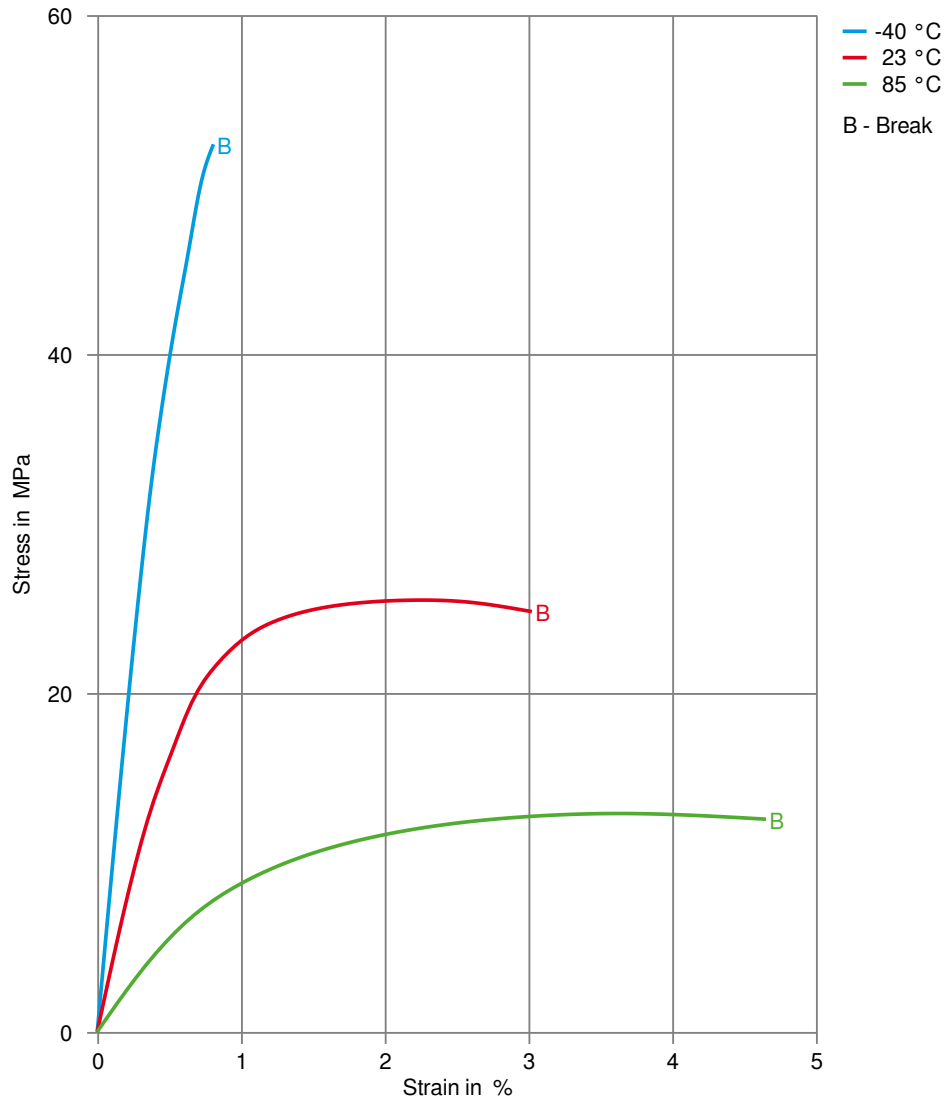
Characteristics

Additives	Flame retardant, Mineral Filler
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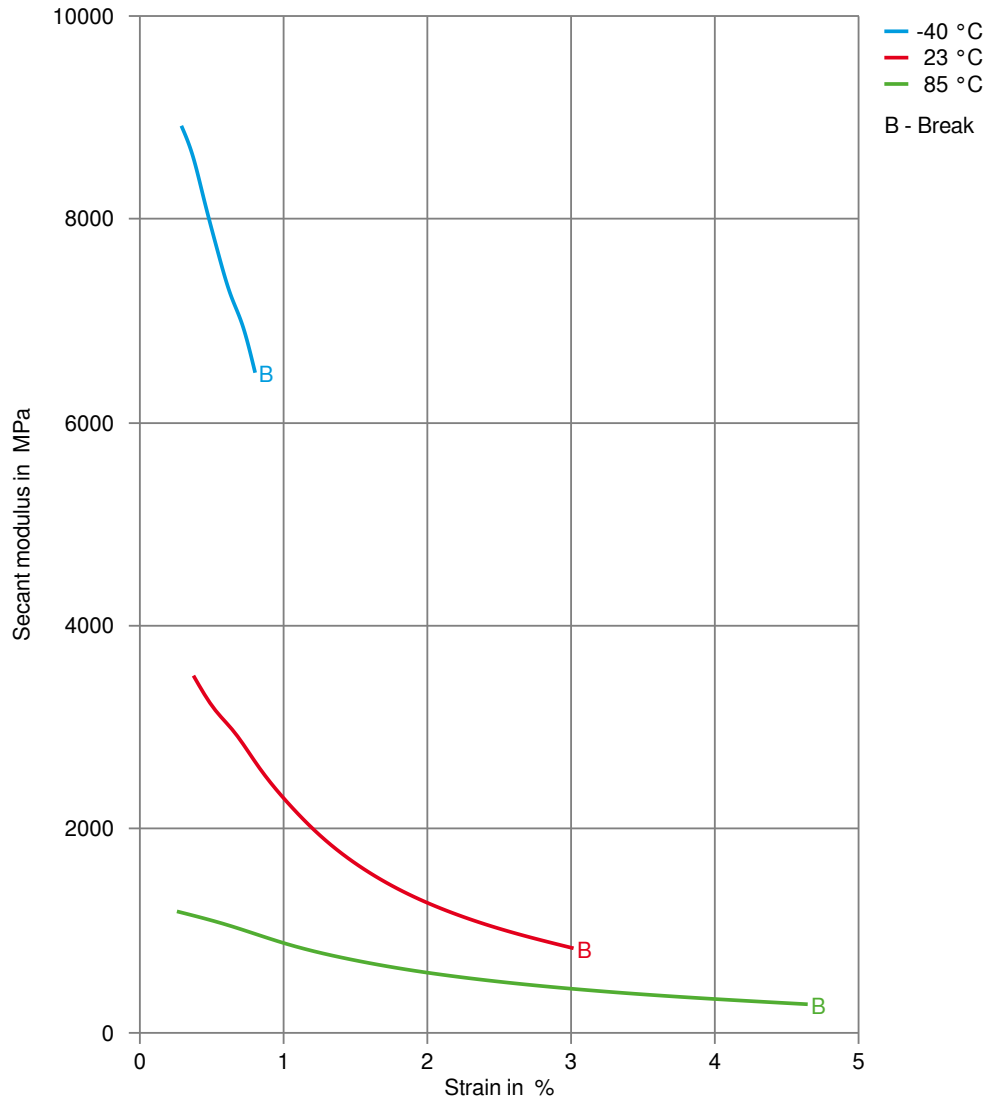
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Stress-strain



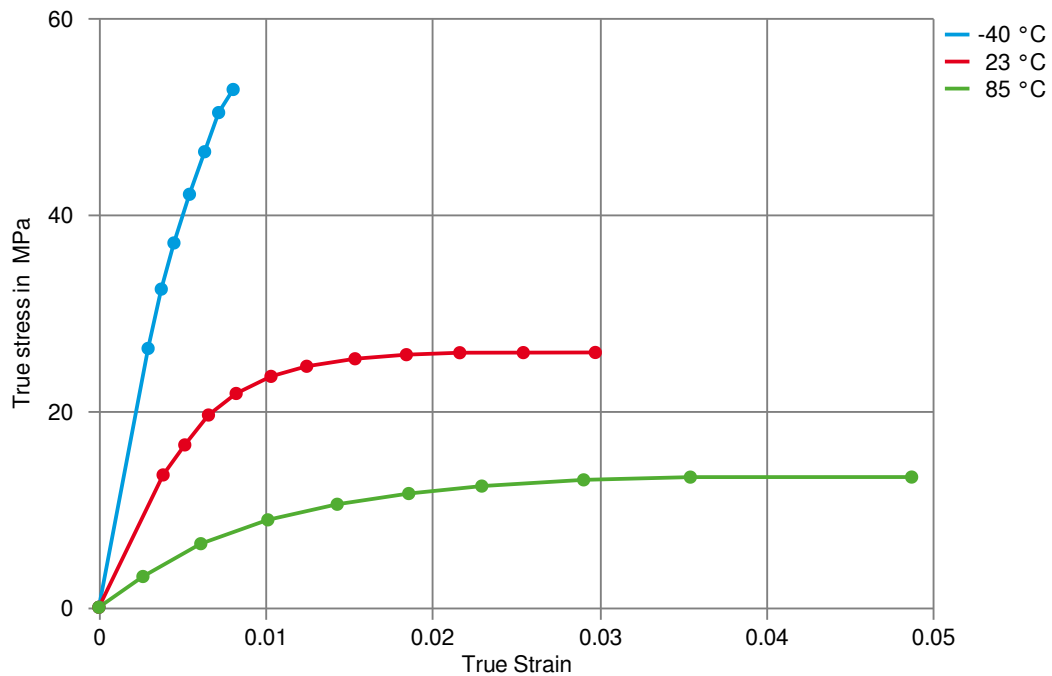
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Secant modulus-strain



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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.

