

TALCOPRENE® 1020CMV0

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

Product information

Resin Identification	PP-T20	ISO 1043
Part Marking Code	>PP-T20<	ISO 11469

Rheological properties

Melt mass-flow rate	10 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	
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 %	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	3500 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	27 MPa	ISO 527-1/-2
Tensile 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
Poisson's ratio	0.37 ^[C]	

[C]: Calculated

Thermal properties

Vicat softening temperature, 50°C/h 50N	95 °C	ISO 306
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Flammability

Burning Behav. at 1.5mm nom. thickn.	V-0 class	IEC 60695-11-10
Burning Behav. at thickness h	V-0 class	IEC 60695-11-10
Thickness tested	3.2 mm	IEC 60695-11-10
Glow Wire Flammability Index, 3.0mm	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature, 3.0mm	725 °C	IEC 60695-2-13
FMVSS Class	DNI	ISO 3795 (FMVSS 302)

Electrical properties

Relative permittivity, printed circuits and boards, 2.5 GHz	2.8	IEC 61189-2-721
Dissipation factor, printed circuits and boards, 2.5 GHz	7 E-4	IEC 61189-2-721

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Physical/Other properties

Density	1380 kg/m ³	ISO 1183
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Characteristics

Processing	Injection Moulding
Additives	Flame retardant, Mineral Filler
Special characteristics	Flame retardant

Additional information

Processing Notes

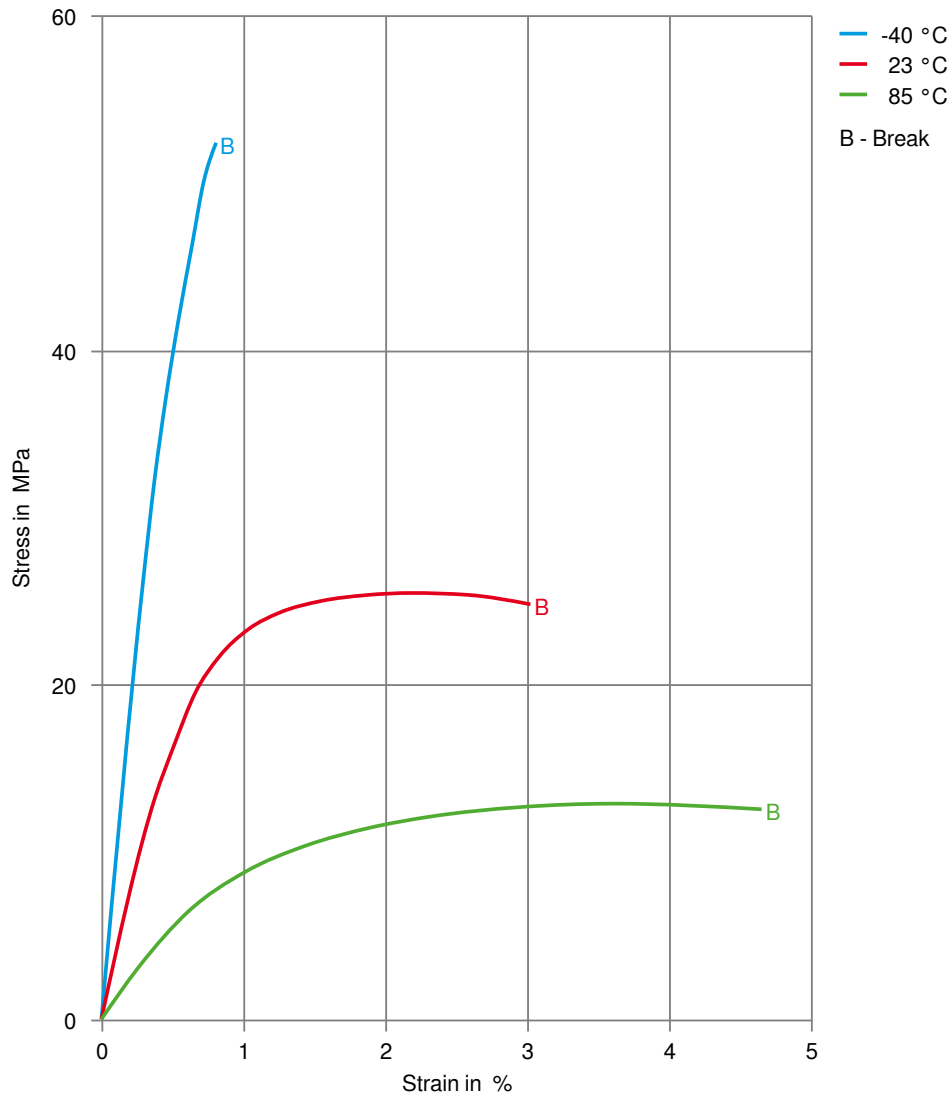
Storage

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

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Stress-strain



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Secant modulus-strain

