

## TALCOPRENE® 1020CMV0 NAT - PP

### Description

Polypropylene, homopolymer, 20% mineral filled, V0, PBDE free.

### Physical properties

ISO	Value	Unit	Test Standard
Density	1300	kg/m <sup>3</sup>	ISO 1183
Melt flow rate, MFR	10	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

### Mechanical properties

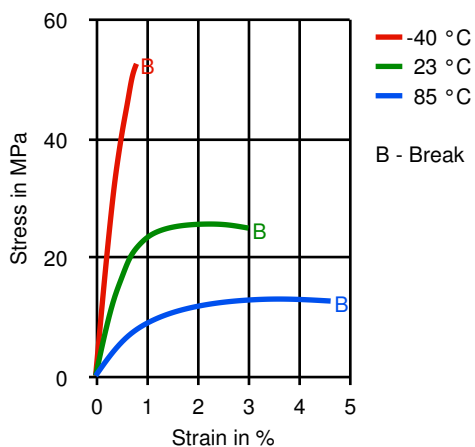
ISO	Value	Unit	Test Standard
Tensile modulus	3500	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	27	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	4	%	ISO 527-2/1A
Flexural modulus, 23 °C	3900	MPa	ISO 178
Flexural strength, 23 °C	45	MPa	ISO 178
Charpy impact strength, 23 °C	20	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23 °C	2	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact notched, 23 °C	2.2	kJ/m <sup>2</sup>	ISO 180/1A

### Thermal properties

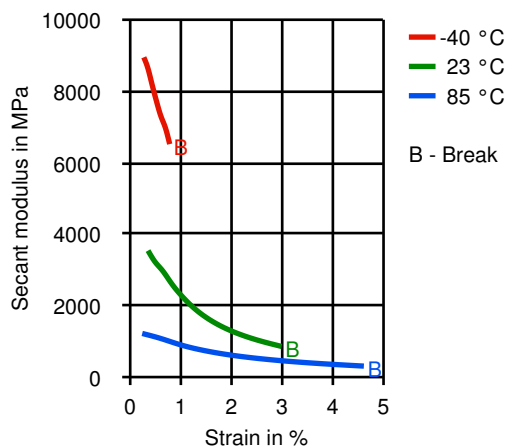
ISO	Value	Unit	Test Standard
Vicat softening temperature, 50 °C/h 50N	95	°C	ISO 306
Flammability @1.6mm nom. thickn.	V-0	class	UL 94

### Diagrams

#### Stress-strain



#### Secant modulus-strain



### Typical injection moulding processing conditions

#### Pre Drying

	DryTime	DryTemp
max	3 h	100 °C
min	2 h	80 °C

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### Temperature

	<b>CavTemp</b>	<b>Nozzle Temp</b>	<b>Z3Temp</b>	<b>Z2Temp</b>	<b>Z1Temp</b>
max	60 °C	230 °C	230 °C	220 °C	210 °C
min	30 °C	210 °C	210 °C	200 °C	190 °C

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### Other text information

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#### Longer pre-drying times/storage

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

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### Characteristics

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#### Special Characteristics

Flame retardant

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#### Product Categories

Mineral reinforced

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#### Processing

Injection molding

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#### Additives

Flame retarding agent