

TALCOPRENE® 1020CMV0 NAT - PP

Description

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

Physical properties

ISO	Value	Unit	Test Standard
Density	1300	kg/m ³	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

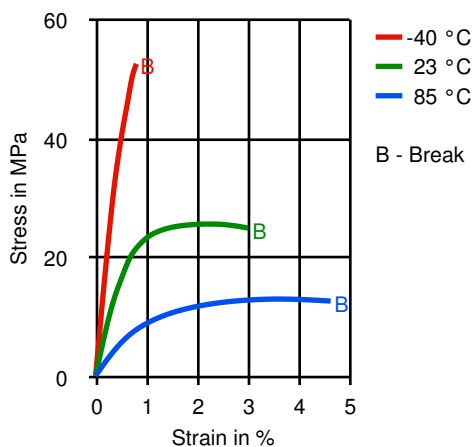
ISO	Value	Unit	Test Standard
Tensile modulus	3500	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	27	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	4	%	ISO 527-2/1A
Flexural modulus, 23°C	3900	MPa	ISO 178
Flexural strength, 23°C	45	MPa	ISO 178
Charpy impact strength, 23°C	20	kJ/m ²	ISO 179/1eU
Charpy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

Thermal properties

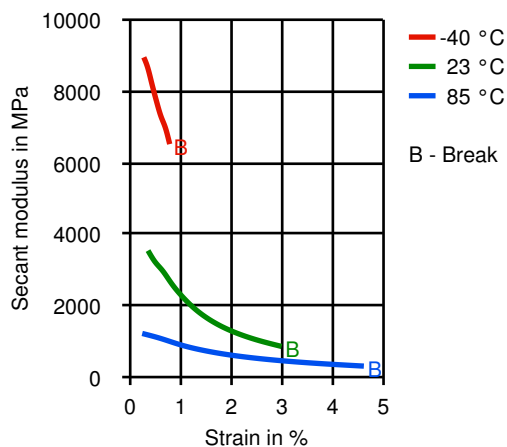
ISO	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	95	°C	ISO 306
Flammability @1.6mm nom. thickn.	V-0	class	UL 94

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

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

Other text information

Longer pre-drying times/storage

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

Characteristics

Special Characteristics

Flame retardant

Product Categories

Mineral reinforced

Processing

Injection molding

Additives

Flame retarding agent