

TALCOPRENE® OC320TC NAT001 - PP

Description

Polypropylene, 20% mineral filled, low flow.

Physical properties

ISO	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183
Melt flow rate, MFR	2.2	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	2000	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	26	MPa	ISO 527-2/1A
Tensile strain at yield, 50mm/min	10	%	ISO 527-2/1A
Tensile nominal strain at break, 50mm/min	>100	%	ISO 527-2/1A
Charpy notched impact strength, 23 °C	10	kJ/m ²	ISO 179/1eA

Thermal properties

ISO	Value	Unit	Test Standard
Vicat softening temperature, 50 °C/h 50N	72	°C	ISO 306
Flammability at thickness h	HB	class	UL 94
thickness tested (h)	1.50	mm	UL 94
UL recognition (h)	UL	-	UL 94

Typical injection moulding processing conditions

Pre Drying

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

Temperature

	CavTemp	Nozzle Temp	Z3Temp	Z2Temp	Z1Temp
max	60 °C	250 °C	240 °C	230 °C	210 °C
min	30 °C	230 °C	220 °C	210 °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

Product Categories

Impact modified, Mineral reinforced

Processing

Injection molding