

TALCOPRENE® 1020TCD NAT - PP

Description

Polypropylene, homopolymer, 20% mineral filled, detergent stabilized.

Physical properties

ISO	Value	Unit	Test Standard
Density	1050	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	2400	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	30	MPa	ISO 527-2/1A
Flexural modulus, 23 °C	2300	MPa	ISO 178
Flexural strength, 23 °C	48	MPa	ISO 178
Charpy notched impact strength, 23 °C	2.2	kJ/m ²	ISO 179/1eA
Izod impact notched, 23 °C	2.5	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.	HB	class	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

Mineral reinforced

Processing

Injection molding