

TALCOPRENE® 1230TL - PP

Description

Polypropylene, 30% mineral filled.

Physical properties

ISO	Value	Unit	Test Standard
Density	1140	kg/m ³	ISO 1183
Melt flow rate, MFR	12	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	3100	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	29	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>10	%	ISO 527-2/1A
Flexural modulus, 23°C	3300	MPa	ISO 178
Flexural strength, 23°C	45	MPa	ISO 178
Charpy impact strength, 23°C	27	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	2.3	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	2.3	kJ/m ²	ISO 180/1A

Thermal properties

ISO	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	92	°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