

POLIFOR® C1 TR/30

Polypropylene, copolymer, 30% mineral filled, low flow

Rheological properties

Melt mass-flow rate	1.8 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

Typical mechanical properties

Tensile Modulus	3400 MPa	ISO 527-1/-2
Yield stress, 50mm/min	27 MPa	ISO 527-1/-2
Yield strain, 50mm/min	4.5 %	ISO 527-1/-2
Strain at break, 50mm/min	>50 %	ISO 527-1/-2
Flexural Modulus	3100 MPa	ISO 178
Charpy impact strength, 23°C	75 kJ/m²	ISO 179/1eU
Charpy impact strength, -30 °C	20 kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23 °C	8.5 kJ/m²	ISO 179/1eA

Thermal properties

Temp. of deflection under load, 1.8 MPa	72 °C	ISO 75-1/-2
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Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	UL 94
Burning Behav. at thickness h	HB class	UL 94

Other properties

Density	1140 kg/m³	ISO 1183
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Injection

Drying Temperature	80 - 100 °C
Drying Time, Dehumidified Dryer	2 - 3 h
Max. mould temperature	30 - 60 °C

Characteristics

Additives	Mineral Filler
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Processing Texts

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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