

POLIFOR® 12 TR/20 UV Y1

Polypropylene, 20% mineral filled, UV stabilised.

Rheological properties

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

Typical mechanical properties

Tensile Modulus	2500 MPa	ISO 527-1/-2
Yield stress, 50mm/min	28 MPa	ISO 527-1/-2
Strain at break, 50mm/min	>10 %	ISO 527-1/-2
Flexural Modulus	2400 MPa	ISO 178
Flexural Strength	42 MPa	ISO 178
Charpy impact strength, 23°C	80 kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	4 kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	4.5 kJ/m²	ISO 180/1A

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	UL 94
Burning Behav. at thickness h	HB class	UL 94
Glow Wire Flammability Index, 2mm	750 °C	IEC 60695-2-12

Other properties

Density	1050 kg/m³	ISO 1183
---------	------------	----------

Injection

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

Characteristics

Additives	Mineral Filler
-----------	----------------

Processing Texts

Longer pre-drying times/storage	This product should be stored in a covered facility and kept away from moisture and heat.
---------------------------------	---

