

POLIFOR® E11 TR/40

Polypropylene, elastomer modified, 40% mineral filled.

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	2900 MPa	ISO 527-1/-2
Yield stress, 50mm/min	24 MPa	ISO 527-1/-2
Yield strain, 50mm/min	4 %	ISO 527-1/-2
Strain at break, 50mm/min	>10 %	ISO 527-1/-2
Flexural Modulus	3000 MPa	ISO 178
Flexural Strength	34 MPa	ISO 178
Charpy impact strength, 23°C	35 kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	3 kJ/m²	ISO 179/1eA
Izod impact strength, 23°C	3.5 kJ/m²	ISO 180/1U

Thermal properties

Coeff. of linear therm. expansion, parallel	81 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	107 E-6/K	ISO 11359-1/-2

Flammability

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

Other properties

Density	1240 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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