

POLIFOR® E11 TR/40

POLIFOR®

Polypropylene, elastomer modified, 40% mineral filled.

Product information

Resin Identification	PP-T40	ISO 1043
Part Marking Code	>PP-T40<	ISO 11469

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
Tensile stress at yield, 50mm/min	24 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	4 %	ISO 527-1/-2
Tensile 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/m ²	ISO 179/1eU
Charpy notched impact strength, 23 °C	3 kJ/m ²	ISO 179/1eA
Izod impact strength, 23 °C	3.5 kJ/m ²	ISO 180/1U
Poisson's ratio	0.37 ^[C]	

[C]: Calculated

Thermal properties

Vicat softening temperature, 50 °C/h 50N	68 °C	ISO 306
Coefficient of linear thermal expansion (CLTE), parallel	81 E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	107 E-6/K	ISO 11359-1/-2

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
Burning Behav. at thickness h	HB class	IEC 60695-11-10
Thickness tested	3.2 mm	IEC 60695-11-10

Physical/Other properties

Density	1240 kg/m ³	ISO 1183
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Characteristics

Processing	Injection Moulding
Additives	Mineral Filler
Special characteristics	High impact or impact modified

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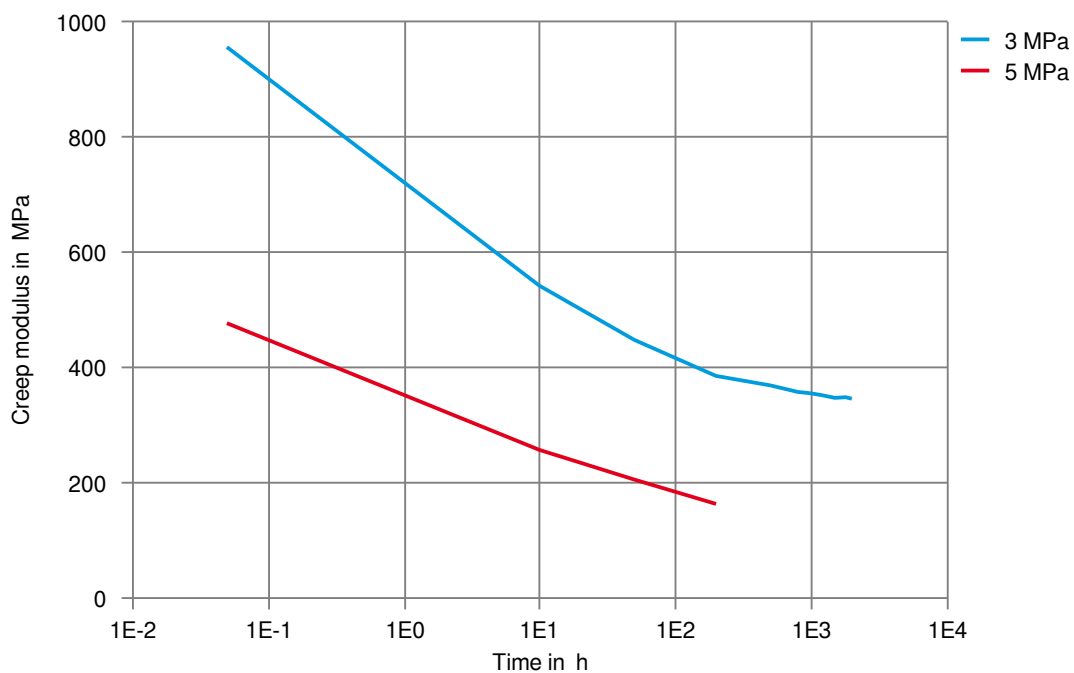
Additional information

Processing Notes

Storage

This product should be stored in a covered facility and kept away from moisture and heat.

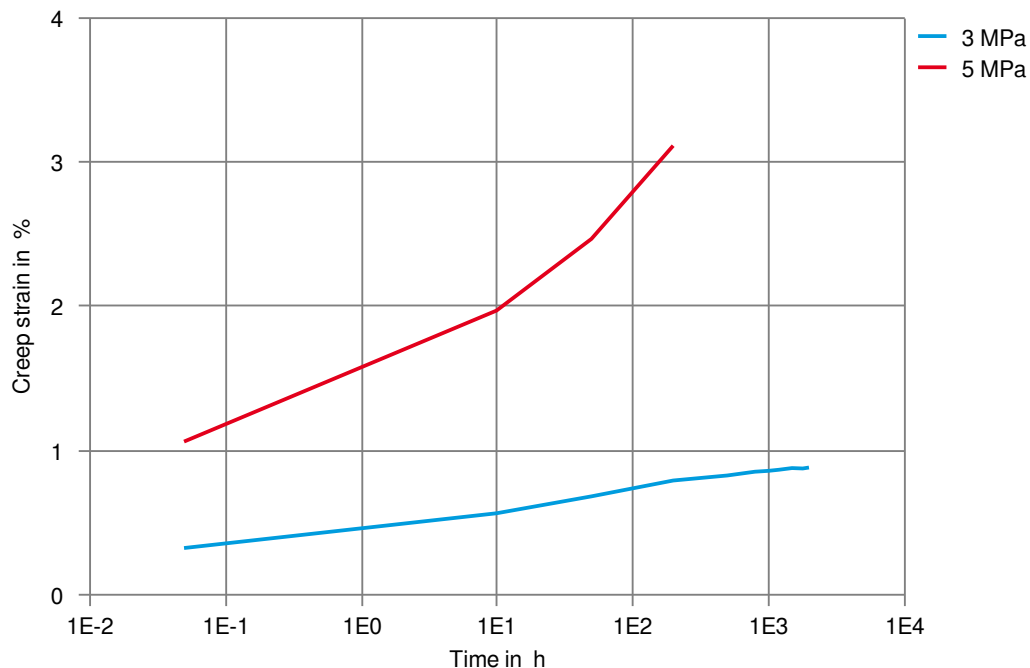
Creep modulus-time 80°C



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Creep strain-time 80 °C



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