

PF 6000/V0-AF-EP-2

POLIFOR®

Polypropylene, copolymer, V0, low smoke emission, without halogen and Antimony oxide

Product information

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

Rheological properties

Melt mass-flow rate	15 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage, parallel	1.5 %	ISO 294-4, 2577
Moulding shrinkage range, parallel	1.3 - 1.7 %	ISO 294-4, 2577
Moulding shrinkage, normal	1.2 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1 - 1.4 %	ISO 294-4, 2577

Typical mechanical properties

Tensile stress at yield, 50mm/min	20 MPa	ISO 527-1/-2
Flexural modulus	2200 MPa	ISO 178
Flexural strength	37 MPa	ISO 178
Charpy impact strength, 23°C	30 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.6 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	2.2 kJ/m ²	ISO 180/1A

Thermal properties

Vicat softening temperature, 50°C/h 50N	78 °C	ISO 306
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Flammability

Burning Behav. at 1.5mm nom. thickn.	V-0 class	IEC 60695-11-10
Burning Behav. at thickness h	V-0 class	IEC 60695-11-10
Thickness tested	3.2 mm	IEC 60695-11-10
Oxygen index	28 %	ISO 4589-1/-2
Glow Wire Flammability Index, 0.75mm	960 °C	IEC 60695-2-12
Glow Wire Flammability Index, 3.0mm	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature, 0.75mm	800 °C	IEC 60695-2-13
FMVSS Class	SE	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	1080 kg/m ³	ISO 1183
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Characteristics

Processing	Injection Moulding
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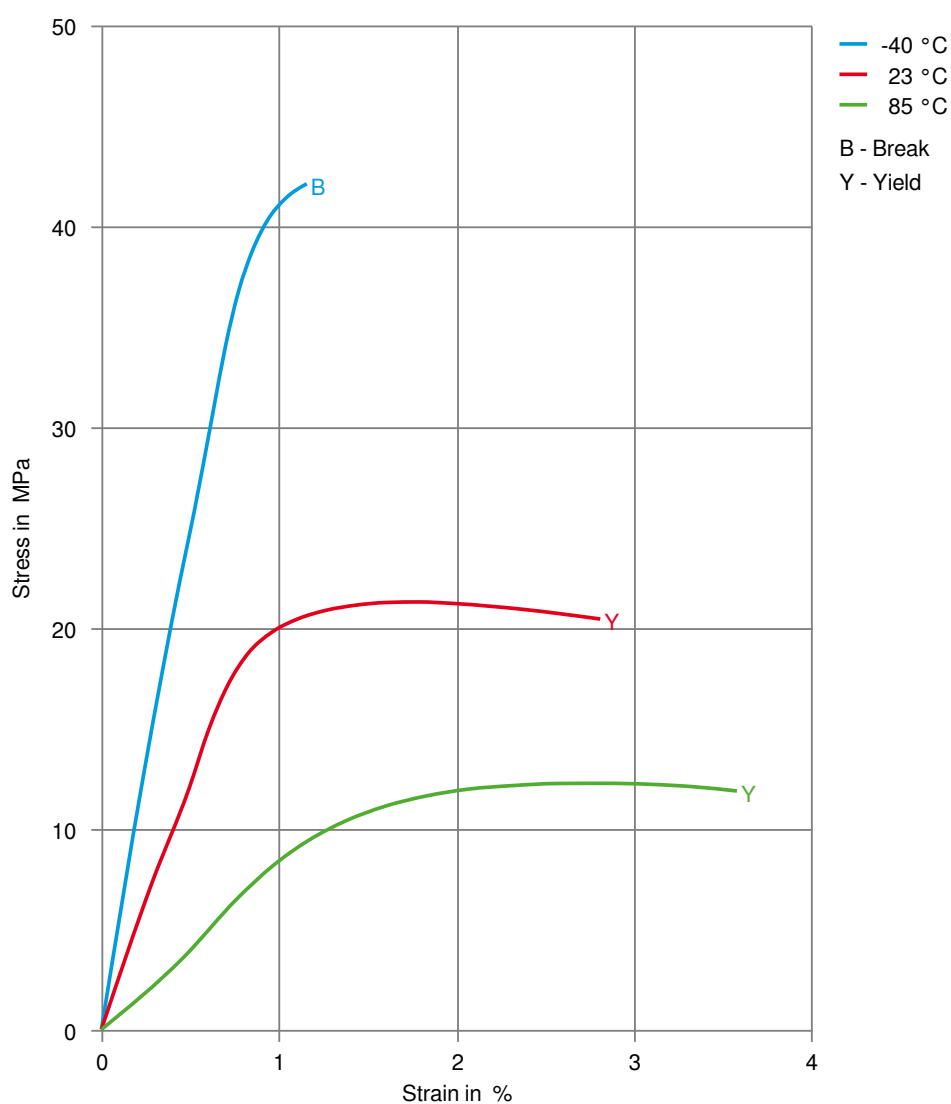
Additional information

Processing Notes

Storage

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

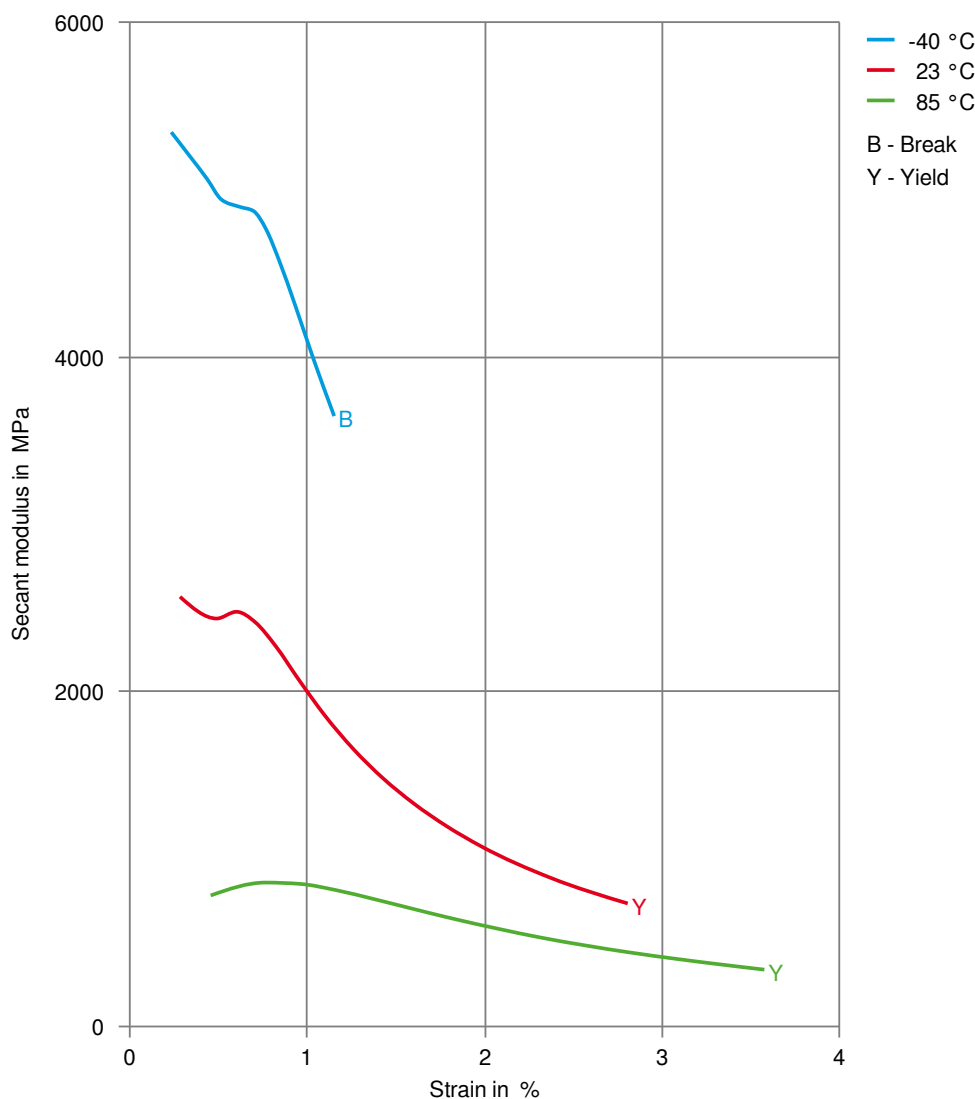
Stress-strain



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Secant modulus-strain



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