Celanese
The chemistry inside innovation™

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/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.6	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	2.2	kJ/m²	ISO 180/1A

Thermal properties

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

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/m³	ISO 1183

Characteristics

Processing	Injection Moulding

Celanese
The chemistry inside innovation™

PF 6000/V0-AF-EP-2

POLIFOR®

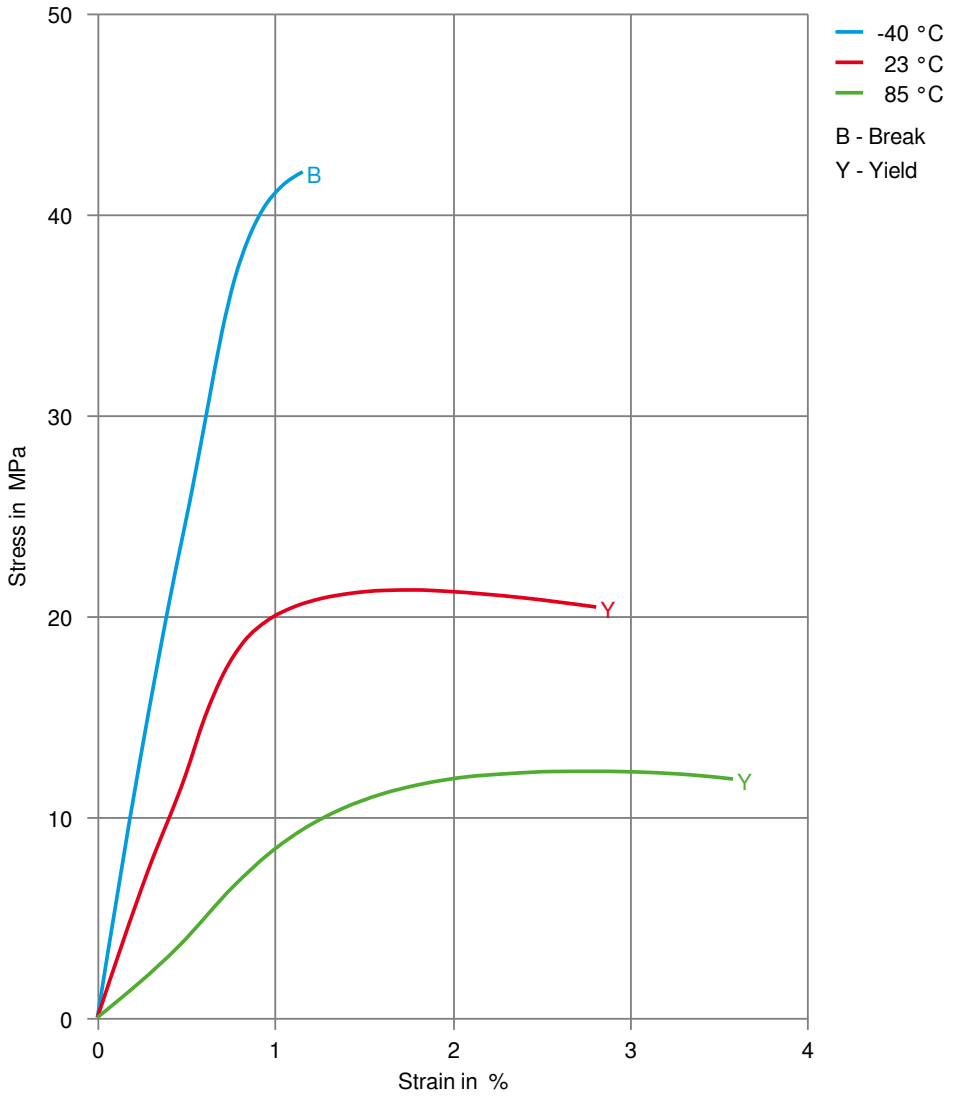
Additional information

Processing Notes

Storage

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

Stress-strain

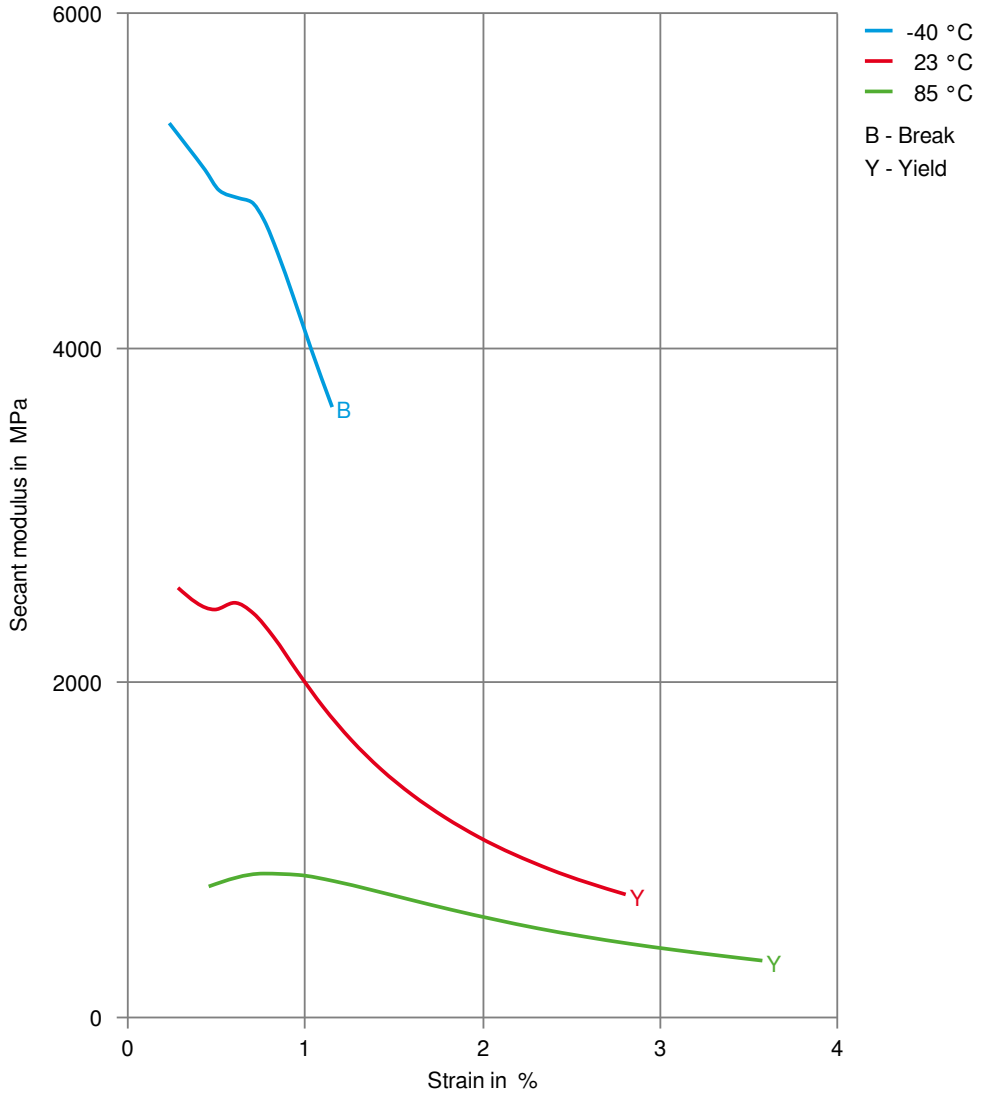


Celanese
The chemistry inside innovation™

PF 6000/V0-AF-EP-2

POLIFOR®

Secant modulus-strain



Revised: 2025-04-18 Source: Celanese Materials Database