

POLIFOR® 6000/V0-AF-EP NATURALE - PP

Description

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

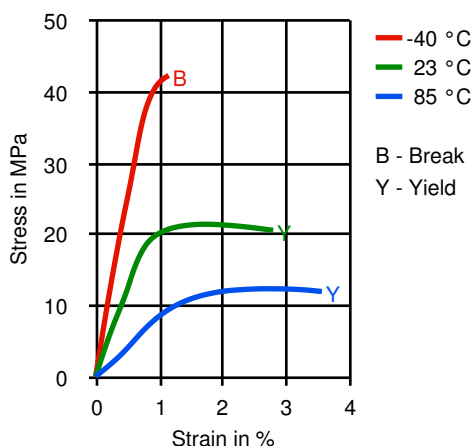
Physical properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ISO 1183
Melt flow rate, MFR	15	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile stress at yield, 50mm/min	20	MPa	ISO 527-2/1A
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength, 23°C	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 impact notched, 23°C	2.2	kJ/m ²	ISO 180/1A

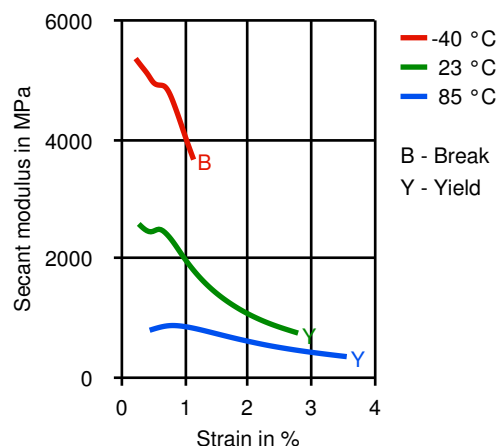
Thermal properties	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	78	°C	ISO 306
Limiting oxygen index (LOI)	28	%	ISO 4589-1/-2
Flammability @ 1.6mm nom. thickn.	V-0	class	UL 94
Glow wire ignition temperature, 0.8 mm	800	°C	IEC 60695-2-13
Glow wire flammability index, 0.8 mm	960	°C	IEC 60695-2-12
Glow wire flammability index, 3.2 mm	960	°C	IEC 60695-2-12

Diagrams

Stress-strain

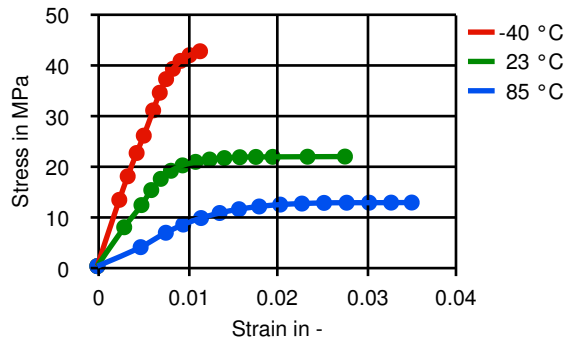


Secant modulus-strain



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True Stress-strain



Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	2 - 3	h	-
Drying temperature	80 - 100	°C	-
Temperature	Value	Unit	Test Standard
Zone1 temperature	180 - 200	°C	-
Zone2 temperature	190 - 210	°C	-
Zone3 temperature	200 - 220	°C	-
Melt temperature	200 - 220	°C	-
Mold temperature	30 - 60	°C	-

Other text information

Longer pre-drying times/storage

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