

POLIFOR® 5000/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	14	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
Tensile strain at break, 50mm/min	10	%	ISO 527-2/1A
Flexural modulus, 23°C	2000	MPa	ISO 178
Charpy impact strength, 23°C	20	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.8	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	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)	30	%	ISO 4589-1/-2
Flammability @ 1.6mm nom. thickn.	V-0	class	UL 94
Glow wire ignition temperature, 3.2 mm	775	°C	IEC 60695-2-13
Glow wire flammability index, 3.2 mm	960	°C	IEC 60695-2-12

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	-
Nozzle 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.

Characteristics

Special Characteristics	Additives
Flame retardant	Flame retarding agent

Processing

Injection molding