

POLIFOR® 5000/V2 NATURALE - PP

Description

Polypropylene, homopolymer, UL94 V2, PBDE free

Physical properties	Value	Unit	Test Standard
Density	930	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	32	MPa	ISO 527-2/1A
Flexural modulus, 23°C	1500	MPa	ISO 178
Charpy impact strength, 23°C	>80	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	2.4	kJ/m ²	ISO 179/1eA
Izod impact unnotched, 23°C	2.5	kJ/m ²	ISO 180/1U

Thermal properties	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	92	°C	ISO 306
Flammability @1.6mm nom. thickn.	V-2	class	UL 94
Flammability at thickness h	V-2	class	UL 94
thickness tested (h)	0.75	mm	UL 94
UL recognition (h)	UL	-	UL 94
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	190 - 210	°C	-
Zone2 temperature	200 - 220	°C	-
Zone3 temperature	210 - 230	°C	-
Nozzle temperature	210 - 230	°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

Flame retardant

Additives

Flame retarding agent

Processing

Injection molding