

POLIFOR 6000/V0-AF-EP NATURALE AB140084S

Polypropylene Compound (PP)

Description	Polypropylene, copolymer. UL94 V0. Low smoke emission, without halogen and antimony oxide.
Color	Natural
Norm compliance	Compliant with Regulation (EC) No 1907/2006 (REACH)
Certifications	UL listed under file n° E187982
Processing technology	Injection moulding

Physical properties	Typical value (SI)	Typical value (EN)	Test method
Density	1.07 g/cm ³	1.07 g/cm ³	ASTM D792
Mold Shrinkage	1.2 %	1.2 %	INTERNAL
Melt Flow Index 230°C/2,16kg	15 g/10min	15 g/10min	ASTM D1238
Mechanical properties	Typical value (SI)	Typical value (EN)	Test method
Tensile strength at yield	22 MPa	3190 psi	ASTM D638
Tensile elongation at break	5 %	5 %	ASTM D638
Flexural Modulus	2100 MPa	304500 psi	ASTM D790
IZOD impact strength, notched (23 °C)	24 J/m	0.449 ft.-lb/inch	ASTM D256
Charpy impact strength, notched (23 °C)	1.5 kJ/m ²	0.713 ft.-lb/inch ²	ISO 179 - 1eA
Charpy impact strength, unnotched (23 °C)	30 kJ/m ²	14.265 ft.-lb/inch ²	ISO 179 - 1eU
Thermal properties	Typical value (SI)	Typical value (EN)	Test method
Vicat A (50°C/h at 50 N)	78 °C	172.4 F°	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	58 °C	136.4 F°	ASTM D648
Flammability	Typical value (SI)	Typical value (EN)	Test method
Flame Rating (1,6 mm)	V0 Class	V0 Class	UL94
Flame Rating (3,2 mm)	V0 Class	V0 Class	UL94
GWFI (Glow Wire Flammability Index)	960/3 °C/mm	960/3 °C/mm	IEC 60695-2-12
GWIT (Glow Wire Ignition Temperature)	775/3 °C/mm	775/3 °C/mm	IEC 60695-2-13
Needle Flame Test	OK	OK	
Electrical properties	Typical value (SI)	Typical value (EN)	Test method
CTI Comparative tracking index	600 VOLT	600 VOLT	IEC 60112

Processing conditions	Typical value (SI)	Typical value (EN)
Drying	3h/80 °C	176 °F/3h/
Injection moulding	Typical value (SI)	Typical value (EN)
Recommended processing temperatures:		
1st Zone	180 °C	356 °F
2nd Zone	210 °C	410 °F
3rd Zone	220 °C	428 °F
Mould	40-60 °C	104-140 °F

Storage

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

Disclaimer

The figures reported in this Technical Data Sheet are based on tests and analyses carried out in SO.F.TER. laboratories on injection-moulded specimens. These figures indicate the typical material properties and are not to be considered a specification. The user shall always carry out his own tests and analyses in order to verify the suitability of the material for the specific application. Test carried out at 23°C unless otherwise stated.

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