



## POLIFOR 5000/V0-AF-EP NATURALE AB140003S

### Polypropylene Compound (PP)

<b>Description</b>	Polypropylene copolymer, flame retardant grade UL94 V-0, low smoke emission, halogen and antimony oxide free
<b>Color</b>	Natural
<b>Norm compliance</b>	Halogen free IEC 61249-2-21, Compliant with Regulation (EC) No 1907/2006 (REACH)
<b>Certifications</b>	UL product certified - File E187982
<b>Processing technology</b>	Injection moulding

Physical properties	Typical value	Units	Test Method
MFI Melt Flow Index 230°C/2,16kg	15	g/10min	ASTM D1238
Density	1.05	g/cm <sup>3</sup>	ASTM D792
Mold Shrinkage	1.5	%	INTERNAL
Mechanical properties	Typical value	Units	Test Method
Tensile strength at yield	23	MPa	ASTM D638
Tensile elongation at break	22	%	ASTM D638
Flexural Modulus	1600	MPa	ASTM D790
IZOD impact strength, notched (23 °C)	35	J/m	ASTM D256
Thermal properties	Typical value	Units	Test Method
Vicat Softening Temperature B (50°C/h at 50 N)	77	°C	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	60	°C	ASTM D648
Ball Pressure Temperature	125	°C	IEC 335
Flammability	Typical value	Units	Test Method
Flame Rating (1,6 mm)	V0	Class	UL94
Flame Rating (3,2 mm)	V0	Class	UL94
GWIT (Glow Wire Ignition Temperature)	960	°C / mm	IEC 60695-2-13
Oxygen Index (LOI)	30	%	ASTM D2863
Needle Flame Test	OK	-	IEC 60695-2-2
Electrical properties	Typical value	Units	Test Method
CTI Comparative tracking index	600	VOLT	IEC 60112



Processing conditions	Typical value
Drying	2h/80°C
Injection moulding	Typical value
Recommended processing temperatures:	
1st Zone	190°C
2nd Zone	210°C
3rd Zone	220°C
Mould	40-60°C

**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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