



POLIFOR PP FR 7B01 BIANCO 0080 AA340073S

Polypropylene Compound (PP)

Description	Polypropylene. UL94 V2.
Color	White
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	0.95 g/cm ³	0.95 g/cm ³	ASTM D792
Mold Shrinkage	1.4 %	1.4 %	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	30 MPa	4350 psi	ASTM D638
Tensile elongation at break	100 %	100 %	ASTM D638
Flexural Modulus	1300 MPa	188500 psi	ASTM D790
IZOD impact strength, notched (23 °C)	40 J/m	0.748 ft.-lb/inch	ASTM D256
Charpy impact strength, notched (23 °C)	3.8 kJ/m ²	1.807 ft.-lb/inch ²	ISO 179 - 1eA
Charpy impact strength, unnotched (23 °C)	98 kJ/m ²	46.599 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)	80 °C	176 F°	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	55 °C	131 F°	ASTM D648
Flammability	Typical value (SI)	Typical value (EN)	Test method
Flame Rating (0,8 mm)	V2 Class	V2 Class	UL94
Flame Rating (1,6 mm)	V2 Class	V2 Class	UL94
Flame Rating (3,2 mm)	V2 Class	V2 Class	UL94
GWFI (Glow Wire Flammability Index)	960/3 °C/mm	960/3 °C/mm	IEC 60695-2-12
Needle Flame Test	OK	OK	
Oxygen Index (LOI)	23 %	23 %	ASTM D2863

Processing conditions	Typical value (SI)	Typical value (EN)
Drying	2h/60 °C	2h/140 °F
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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