



POLIFOR L6 GF/50 NATURALE AA130008S

Polypropylene Compound (PP)

Description	Polypropylene homopolymer reinforced with 50% chemically coupled glass fiber
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
Melt Flow Index 230°C/2,16kg	2 g/10min	2 g/10min	ASTM D1238
Density	1.27 g/cm ³	1.27 g/cm ³	ASTM D792
Mold Shrinkage	0.2 %	0.2 %	INTERNAL
Mechanical properties	Typical value (SI)	Typical value (EN)	Test method
Tensile strength at yield	94 MPa	13630 psi	ASTM D638
Tensile elongation at break	1.5 %	1.5 %	ASTM D638
Flexural Modulus	9000 MPa	1.305e+006 psi	ASTM D790
IZOD impact strength, notched (23 °C)	80 J/m	1.496 ft.-lb/inch	ASTM D256
Thermal properties	Typical value (SI)	Typical value (EN)	Test method
Vicat B (50°C/h at 50 N)	140 °C	284 F°	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	150 °C	302 F°	ASTM D648
Ball Pressure Temperature	125 °C	257 F°	IEC 60695-10-2
Flammability	Typical value (SI)	Typical value (EN)	Test method
Flame Rating (1,6 mm)	HB Class	HB Class	UL94
Flame Rating (3,2 mm)	HB Class	HB Class	UL94
GWIT (Glow Wire Ignition Temperature)	650 °C/mm	650 °C/mm	IEC 60695-2-13
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	2h/80 °C	2h/176 °F
Injection moulding	Typical value (SI)	Typical value (EN)
Recommended processing temperatures:		
1st Zone	220 °C	428 °F
2nd Zone	240 °C	464 °F
3rd Zone	250 °C	482 °F
Mould	50-70 °C	122-158 °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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