



## POLIFOR L30 GF/30 NATURALE AA130122S

### Polypropylene Compound (PP)

<b>Description</b>	Polypropylene, homopolymer. 30% glass fiber reinforced, chemically coupled.
<b>Color</b>	Natural
<b>Norm compliance</b>	Compliant with Regulation (EC) No 1907/2006 (REACH)
<b>Certifications</b>	UL listed under file n° E187982
<b>Processing technology</b>	Injection moulding

Physical properties	Typical value (SI)	Typical value (EN)	Test method
Density	1.13 g/cm <sup>3</sup>	1.13 g/cm <sup>3</sup>	ASTM D792
Mold Shrinkage	0.3 %	0.3 %	INTERNAL
Melt Flow Index 230°C/2,16kg	13 g/10min	13 g/10min	ASTM D1238
Mechanical properties	Typical value (SI)	Typical value (EN)	Test method
Tensile strength at yield	82 MPa	11890 psi	ASTM D638
Tensile elongation at break	3.0 %	3.0 %	ASTM D638
Tensile Modulus	6500 MPa	942500 psi	ASTM D638
Flexural Modulus	5600 MPa	812000 psi	ASTM D790
IZOD impact strength, notched (23 °C)	90 J/m	1.683 ft-lb/inch	ASTM D256
Charpy impact strength, notched (23 °C)	8.0 kJ/m <sup>2</sup>	3.804 ft-lb/inch <sup>2</sup>	ISO 179 - 1eA
Charpy impact strength, unnotched (23 °C)	28 kJ/m <sup>2</sup>	13.314 ft-lb/inch <sup>2</sup>	ISO 179 - 1eU
Thermal properties	Typical value (SI)	Typical value (EN)	Test method
Vicat A (50°C/h at 50 N)	138 °C	280.4 F°	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	148 °C	298.4 F°	ASTM D648
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

Processing conditions	Typical value (SI)	Typical value (EN)
Drying not necessary		
Injection moulding	Typical value (SI)	Typical value (EN)
Recommended processing temperatures:		
1st Zone	210 °C	410 °F
2nd Zone	230 °C	446 °F
3rd Zone	240 °C	464 °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.

### For technical or commercial information:

#### EUROPE

SO.F.TER. SPA, Via Mastro Giorgio 1, 47122 Forlì, Italy, tel +39 0543 790411  
info.it@softergroup.com

#### USA

SO.F.TER. USA, 400 Innovative Way, Lebanon, TN 37090, US, tel +1 844 657 6383 (THINKSOFTER)  
info.us@softergroup.com

#### BRAZIL

SO.F.TER. BRASIL, Av. Edgar Hoffmeister, 275, CEP 93700-000, Campo Bom, RS, Brazil, tel +55 51 2123 2610  
info.br@softergroup.com

#### MEXICO

SO.F.TER MEXICO, Circuito Mexiamora Norte 345, Puerto Interior, Silao, G.to, Mexico 36275, tel +52 472 722 6923  
info.mx@softergroup.com

www.softergroup.com