


## Celanese SO.F.TER Polifor® CL6 GF/30 Reinforced Polypropylene

**Categories:** [Polymer](#); [Thermoplastic](#); [Polypropylene \(PP\)](#); [Polypropylene, Glass/Mineral Reinforced](#)

**Material Notes:** Information provided by SO.F.TER. Spa

**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	<a href="#">1.12</a> g/cc	<a href="#">0.0405</a> lb/in <sup>3</sup>	ASTM D1505
Linear Mold Shrinkage	<a href="#">0.0020</a> - <a href="#">0.0040</a> cm/cm	<a href="#">0.0020</a> - <a href="#">0.0040</a> in/in	ASTM D955
Melt Flow	<a href="#">2.5</a> g/10 min @Load 2.16 kg, Temperature 230 °C	<a href="#">2.5</a> g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
Mechanical Properties	Metric	English	Comments
Tensile Strength	<a href="#">67.0</a> MPa	<a href="#">9720</a> psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Modulus	<a href="#">5.00</a> GPa	<a href="#">725</a> ksi	ASTM D790
Izod Impact, Notched	<a href="#">1.45</a> J/cm	<a href="#">2.72</a> ft-lb/in	ASTM D256/A
Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= <a href="#">600</a> V	>= <a href="#">600</a> V	IEC 112
Thermal Properties	Metric	English	Comments
Hot Ball Pressure Test	<a href="#">125</a> °C	<a href="#">257</a> °F	IEC 335
Deflection Temperature at 1.8 MPa (264 psi)	<a href="#">145</a> °C	<a href="#">293</a> °F	ASTM D648
Vicat Softening Point	<a href="#">115</a> °C	<a href="#">239</a> °F	50°C/h at 50 N; ASTM D1525
Flammability, UL94 	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Glow Wire Flammability Index	HB @Thickness 3.20 mm <a href="#">650</a> °C @Thickness 3.00 mm	HB @Thickness 0.126 in <a href="#">1200</a> °F @Thickness 0.118 in	IEC 60695-2-12
Processing Properties	Metric	English	Comments
Processing Temperature	<a href="#">210</a> - <a href="#">250</a> °C	<a href="#">410</a> - <a href="#">482</a> °F	Cylinder Temperature
Mold Temperature	<a href="#">50.0</a> - <a href="#">70.0</a> °C	<a href="#">122</a> - <a href="#">158</a> °F	
Drying Temperature	<a href="#">80.0</a> °C @Time 7200 sec	<a href="#">176</a> °F @Time 2.00 hour	

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.