



## CABOFOR 28 NATURALE AF110000S

### Polycarbonate Compound (PC)

<b>Description</b>	Standard polycarbonate grade, excellent impact resistance
<b>Color</b>	Natural
<b>Norm compliance</b>	Compliant with Regulation (EC) No 1907/2006 (REACH)
<b>Processing technology</b>	Injection moulding

Physical properties	Typical value (SI)	Typical value (EN)	Test method
Density	1.20 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>	ASTM D792
Mold Shrinkage	0.6 %	0.6 %	INTERNAL
Melt Flow Index 300°C/1,2kg	10 g/10min	10 g/10min	ASTM D1238
Water absorption (24 h/23°C)	0.10 %	0.10 %	ASTM D570
Mechanical properties	Typical value (SI)	Typical value (EN)	Test method
Tensile strength at yield	62 MPa	8990 psi	ASTM D638
Tensile elongation at break	50 %	50 %	ASTM D638
Flexural Modulus	2400 MPa	348000 psi	ASTM D790
IZOD impact strength, notched (23 °C)	600 J/m	11.22 ft-lb/inch	ASTM D256
IZOD impact strength, notched (-30 °C)	150 J/m	2.805 ft-lb/inch	ASTM D256
IZOD impact strength, notched (0 °C)	250 J/m	4.675 ft-lb/inch	ASTM D256
Thermal properties	Typical value (SI)	Typical value (EN)	Test method
Vicat B (50°C/h at 50 N)	147 °C	296.6 F°	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	131 °C	267.8 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)	V2 Class	V2 Class	UL94
Flame Rating (3,2 mm)	V2 Class	V2 Class	UL94
Flame Rating (0,8 mm)	V2 Class	V2 Class	UL94
GWIT (Glow Wire Ignition Temperature)	750 °C/mm	750 °C/mm	IEC 60695-2-13
Oxygen Index (LOI)	26 %	26 %	ASTM D2863
Electrical properties	Typical value (SI)	Typical value (EN)	Test method
CTI Comparative tracking index	250 VOLT	250 VOLT	IEC 60112

Processing conditions	Typical value (SI)	Typical value (EN)
Drying	3h/120 °C	3h/248 °F
Injection moulding	Typical value (SI)	Typical value (EN)
Recommended processing temperatures:		
1st Zone	250 °C	482 °F
2nd Zone	270 °C	518 °F
3rd Zone	290 °C	554 °F
Mould	90-110 °C	194-230 °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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