

TALCOPRENE 340TL NERO W340TLNEP

Talc filled Polypropylene (PP/TALC)

Description	Polypropylene homopolymer, 40% mineral filled, high heat resistance
Color	Black
Norm compliance	Compliant with Regulation (EC) No 1907/2006 (REACH)
Processing technology	Injection moulding

Physical properties	Typical value (SI)	Typical value (EN)	Test method
Melt Flow Index 230°C/2,16kg	4.5 g/10min	4.5 g/10min	ASTM D1238
Density	1.24 g/cm ³	1.24 g/cm ³	ASTM D792
Ash Content	40 %	40 %	INTERNAL
Mold Shrinkage	1 %	1 %	INTERNAL
Water absorption (24 h/23°C)	0.05 %	0.05 %	ASTM D570
Mechanical properties	Typical value (SI)	Typical value (EN)	Test method
Tensile strength at break	30 MPa	4350 psi	ASTM D638
Flexural Modulus	3800 MPa	551000 psi	ASTM D790
Flexural Strength	49 MPa	7105 psi	ASTM D790
IZOD impact strength, notched (23 °C)	32 J/m	0.598 ft-lb/inch	ASTM D256
Thermal properties	Typical value (SI)	Typical value (EN)	Test method
Vicat B (50°C/h at 50 N)	95 °C	203 F°	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	73 °C	163.4 F°	ASTM D648
Coefficient of linear thermal expansion	8 10 ⁻⁵ /K	8 10 ⁻⁵ /K	ASTM D696-3
Flammability	Typical value (SI)	Typical value (EN)	Test method
Flame Rating (3,2 mm)	HB Class	HB Class	UL94
Electrical properties	Typical value (SI)	Typical value (EN)	Test method
CTI Comparative tracking index	600 VOLT	600 VOLT	IEC 60112
Dielectric constant, 1kHz	2.5	2.5	ASTM D150
Surface resistivity	10 ¹³ OHM/sq	10 ¹³ OHM/sq	ASTM D257

Injection moulding	Typical value (SI)	Typical value (EN)
Recommended processing temperatures:		
1st Zone	190 °C	374 °F
2nd Zone	210 °C	410 °F
3rd Zone	230 °C	446 °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