


Technical specifications	Précontraint® 1002	Précontraint® 1202	Précontraint® 1302	Précontraint® 1502	Standards
Yarn <b>TERSUISSE</b> 	PES HT 1100 Dtex	PES HT 1100 /1670 Dtex	PES HT 1100/2200 Dtex	PES HT 1670/2200 Dtex	
Total mass	1050 g/sqm 31 oz/sqyd	1050 g/sqm (1250 g/sqm) 31 oz/sqyd	1350 g/sqm 40 oz/sqyd	1500 g/sqm 44 oz/sqyd	EN ISO 2286-2
Width	180 cm	180 cm	180 cm	180 cm	(-1mm/+1mm)
Tensile strength (warp/weft)	420/400 daN/5 cm	560/560 daN/5 cm	800/700 daN/5 cm	1000/800 daN/5 cm	EN ISO 1421
Tear strength (warp/weft)	55/50 daN	80/65 daN	120/110 daN	160/140 daN	DIN 53.363
Adherence	12 daN/5 cm	12 daN/5 cm	13 daN/5 cm	15 daN/5 cm	EN ISO 2411
Flame retardancy	NF P 92-507 M2 - NFPA 701 Test 2 CSFM T19 - UBC 31.1 - ASTM E84-03 DIN 4102-1 B1 - BS 7837 AS NZS 1530.3 SIS 650082 SITAC / ETA UNE 23.727 M2 - SN 198898 VKF 5.2	NFPA 701 Test 2 CSFM T 19 - UBC 31.1 - DIN 4102-1 B1 - BS 7837 - AS/NZS 1530.3 - SIS 650082 SITAC - SN 198898 VKF 5.2	NFPA 701 Test 2 CSFM T 19 - UBC 31.1 - DIN 4102-1 B1 - BS 7837 - SIS 650082 SITAC ONORM B 3800-1 B1	NFPA 701 Test 2 CSFM T 19 - UBC 31.1 - DIN 4102-1 B1 - BS 7837 - SIS 650082 SITAC / SINTEF / ETA	

**FORMULA S** surface treatment: CALIBRATED PVDF alloy or **METALLIC** alternative

The above technical data are average values with a +/- 5% tolerance.

#### Additional information

Coating thickness at the top of the yarns	350 microns	270 microns	300 microns	300 microns	
Total thickness	0,78 mm	0,78 mm	1,02 mm	1,14 mm	
White index*	82	82	82	82	CIE: (International Lighting Commission)
Light transmission* "diffus /diffus method" close to the perception of the human eye	7,5%	10%	5,5%	5,5%	NFP 38-511
Thermal values* Solar transmission Solar reflection Solar absorption Solar factor	Ts 6 % Rs 78 % As 16 % Fs 12 %	Ts 7 % Rs 77 % As 16 % Fs 13 %	Ts 5 % Rs 78 % As 17 % Fs 11 %	Ts 5 % Rs 78 % As 17 % Fs 11 %	ASHRAE standard 74-1988
UV transmission	T-UV 0%	T-UV 0%	T-UV 0%	T-UV 0%	Eppley Solar & Sky UV radiometer
Global heat conductance Vertical position Horizontal position	U= 5,6W/sqm/°C U= 6,4W/sqm/°C	U= 5,6W/sqm/°C U= 6,4W/sqm/°C	U= 5,6W/sqm/°C U= 6,4W/sqm/°C	U= 5,6W/sqm/°C U= 6,4W/sqm/°C	

The U data are values calculated on the basis of simulations of average usage conditions and are given as an order of magnitude.

Acoustic attenuation index	Rw: 15 dBA Tolerance +/- 1 dBA	Rw: 15 dBA	Rw: 16 dBA	Rw: 17 dBA	ISO 717
Extreme temperatures borne on an occasional basis by the installed membrane	- 30°C/+ 70°C				
Quality management according to	ISO 9001				
Warranty	10 years issued per project after application approval				

\* M2 only available on special order at 1250 g/sqm.

\* Value in white 8106S only.