



Lines for KITESURF & CERF-VOLANT

SAMPLES season 2007

DYNEEMA® Ultimate line (Top Line ultimate braid with Polyester cover, lighter & more resistant)

	A	B	C	D	E
Sample					
Reference	1.1mm	1.3mm	1.5mm	1.9mm	2.1mm
Material sleeve	Polyester	Polyester	Polyester	Polyester	Polyester
Material core	Dyneema	Dyneema	Dyneema	Dyneema	Dyneema
Type core	Braided	Braided	Braided	Braided	Braided
Diameter in mm	1.1	1.3	1.5	1.9	2.1
Weight per meter total g/m	1	1.21	1.78	2.41	3.3
Weight per meter core g/m	0,37	0.55	0.74	1.07	1.46
Weight per meter sleeve g/m	0,63	0.66	1.04	1.34	1.84
Breaking strength mini daN	115	130	200	310	380
Effective breaking strength daN	128	146	216	328	413
Strength after 5000 bending cycles daN	105	119	198	292	380
Elongation at 5 daN (%)	0.1	0.05	0.05	0	0.05
Elongation at 10 daN (%)	0.2	0.2	0.1	0.05	0.1
Elongation at 15 daN (%)	0.4	0.3	0.2	0.1	0.15
Elongation at 20 daN (%)	0.5	0.5	0.3	0.15	0.15
Elongation at 25 daN (%)	0.7	0.6	0.4	0.2	0.3
Elongation at 50 daN (%)	1.2	1.2	0.6	0.4	0.35
Elongation at 75 daN (%)	2.0	1.8	1.0	0.55	0.5
Elongation at 100 daN (%)	2.6	2.4	1.3	0.8	0.7
Elongation at 125 daN (%)		3	1.6	0.95	0.85
Elongation at 150 daN (%)			2.1	1.2	1.0
Elongation at 175 daN (%)			2.45	1.5	1.2
Elongation at 200 daN (%)			2.8	1.75	1.45
Elongation at 225 daN (%)				2.2	1.55
Elongation at breaking strength (%)	2.8	3.1	2.8	3.0	2.6

BRIDLE BRAIDS (Dyneema® braid with Polyester cover)

- P** Ligne Dyneema - 190 daN - Diameter mm: 2 - Weight/m: 3.2 g/m - BS average: 193 daN - Strength: 179 daN - Stretch maxi*: 1%
- Q** Ligne Dyneema - 310 daN - Diameter mm: 2.3 - Weight/m: 3.61 g/m - BS average: 304 daN - Strength: 261 daN - Stretch maxi*: 0.9%

SLEEVE (Protective sleeve Polyester textured)

- S** Ref 5421 - Diameter mm: 2.9 - Weight/m: 1.6g/m - BS average: 47 daN

Date : 06/21/2007

COUSIN TRESTEC LABORATORY

These values were obtained on new braids during different controls in our laboratory. We remind that the execution with sewn eye or knot change these values.

Non-contractual values, we reserve the right for changes of the technical characteristics of presented products, without notice.

1daN = ± 1,02 kg = ± 2,2 lbs. Dyneema® : DSM registered trade mark - Technora® : Teijin-Twaron registered trade mark.

COUSIN TRESTEC - 8, rue Abbé Bonpain - BP 70020 Wervicq sud - 59558 Comines Cédex - France - Phone:+33 3.20.14.41.35 - Fax:+33 3.20.39.59.12

*under 12 kg





Lines for KITESURF & CERF-VOLANT

"Top Line Ultimate" lines

SAMPLES season 2007

100% Dyneema®. pre-stretched braid.

Sample	H	I	J	K	L	M	N	O
Reference	12110	16175	12250	16350	12550	16650	8770	12999
Material sleeve	Dyneema	Dyneema	Dyneema	Dyneema	Dyneema	Dyneema	Dyneema	Dyneema
Diameter in mm	0.7	0.8	0.9	1.1	1.2	1.7	1.6	1.9
Weight per meter total g/m	0.29	0.39	0.56	0.76	1.09	1.64	1.43	2.3
Breaking strength mini daN	60	82	125	160	250	300	340	500
Effective breaking strength daN	64	87	131	172	256	320	379	550
Strength after 5000 bending cycles daN	52	81	114	142	220	246	333	487
Elongation at 5 daN (%)	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Elongation at 10 daN (%)	0.5	0.5	0.2	0.2	0.2	0.2	0.15	0.15
Elongation at 15 daN (%)	0.8	0.8	0.4	0.4	0.3	0.3	0.2	0.2
Elongation at 20 daN (%)	1.1	1.0	0.6	0.6	0.4	0.4	0.3	0.3
Elongation at 25 daN (%)	1.4	1.2	0.8	0.7	0.5	0.45	0.4	0.4
Elongation at 50 daN (%)	2.8	2.4	1.2	1.3	0.7	0.8	0.6	0.5
Elongation at 75 daN (%)		3.6	1.9	1.8	1.0	1.2	0.7	0.6
Elongation at 100 daN (%)			2.5	2.3	1.3	1.5	0.8	0.8
Elongation at 125 daN (%)				2.9	1.7	1.8	1	0.9
Elongation at 150 daN (%)				3.4	2.1	2.2	1.15	1.1
Elongation at 175 daN (%)					2.5	2.5	1.35	1.3
Elongation at 200 daN (%)					2.8	2.7	1.5	1.4
Elongation at 225 daN (%)					3.15	3	1.75	1.5
Elongation at max breakings strength (%)	3.0	3.9	3.2	3.7	3.5	4	2.8	3.3

Date : 06/21/2007

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