



**Competition lines for PARAGLIDING & KITESURF**

**SAMPLES season 2007**

**VECTRALINE Ultimate line**

**Vectran® braid with a polyurethane coating for competition paragliders and kitesurf**

Sample	A	B	C	D	E
Reference	12100	12240	16330	12470	16560
Material sleeve	Vectran	Vectran	Vectran	Vectran	Vectran
Diameter in mm	0,6	0,9	1	1,2	1,4
Weight per meter total g/m	0,28	0,57	0,77	1,17	1,59
Breaking strength min daN	50	115	145	200	240
Effective breaking strength daN	53,5	122	153	215	255
Strength after 5000 bending cycles daN	36	67	89	122	145
Elongation at 5 daN (%)	0,4	0,2	0,20	0,20	0,1
Elongation at 10 daN (%)	0,9	0,4	0,4	0,3	0,3
Elongation at 15 daN (%)	1,3	0,7	0,7	0,4	0,4
Elongation at 20 daN (%)	1,5	0,9	0,8	0,5	0,5
Elongation at 25 daN (%)	1,9	1,0	0,9	0,6	0,6
Elongation at 50 daN (%)		1,6	1,5	1,0	1,0
Elongation at 75 daN (%)		2,3	2,0	1,4	1,2
Elongation at 100 daN (%)		3	2,4	1,7	1,5
Elongation at 125 daN (%)			3	2,1	1,9
Elongation at 150 daN (%)			3,6	2,4	2,1
Elongation at 175 daN (%)				2,8	2,4
Elongation at 200 daN (%)				3,2	2,7
Elongation at 225 daN (%)					3,1
Elongation at max breakings strength (%)	3,8	3,5	3,7	3,4	3,5

Date : 06/04/2007

COUSIN TRESTEC LABORATORY

**CAUTION ! Lines for use on competition gliders. Due to their thinness and construction with Vectran® fibers**

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.



## Competition lines for PARAGLIDING & KITESURF

SAMPLES season 2007

### DYNAVEC Ultimate line

Vectran® & Dyneema® braid with a polyurethane coating for competition paragliders

Sample	F	G	H	I
Reference	12090	16130	12220	16280
Material sleeve	Vectran Dyneema	Vectran Dyneema	Vectran Dyneema	Vectran Dyneema
Diameter in mm	0,6	0,7	0,9	1,1
Weight per meter total g/m	0,3	0,4	0,57	0,76
Breaking strength min daN	45	62	90	125
Effective breaking strength daN	49	66	94	134
Strength after 5000 bending cycles daN	36	40	68	101
Elongation at 5 daN (%)	1,0	0,55	0,4	0,20
Elongation at 10 daN (%)	1,3	0,8	0,6	0,3
Elongation at 15 daN (%)	1,6	1,0	0,8	0,5
Elongation at 20 daN (%)	1,8	1,35	1,0	0,7
Elongation at 25 daN (%)	2,2	1,7	1,1	0,8
Elongation at 50 daN (%)	4,0	2,4	1,7	1,2
Elongation at 75 daN (%)			2,3	1,8
Elongation at 100 daN (%)			2,9	2,2
Elongation at 125 daN (%)				2,6
Elongation at 150 daN (%)				
Elongation at 175 daN (%)				
Elongation at 200 daN (%)				
Elongation at 225 daN (%)				
Elongation at max breakings strength (%)	4,0	2,85	3,0	2,8

Date : 06/04/2007

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