

ARTIK 7 P

Technical *specifications*

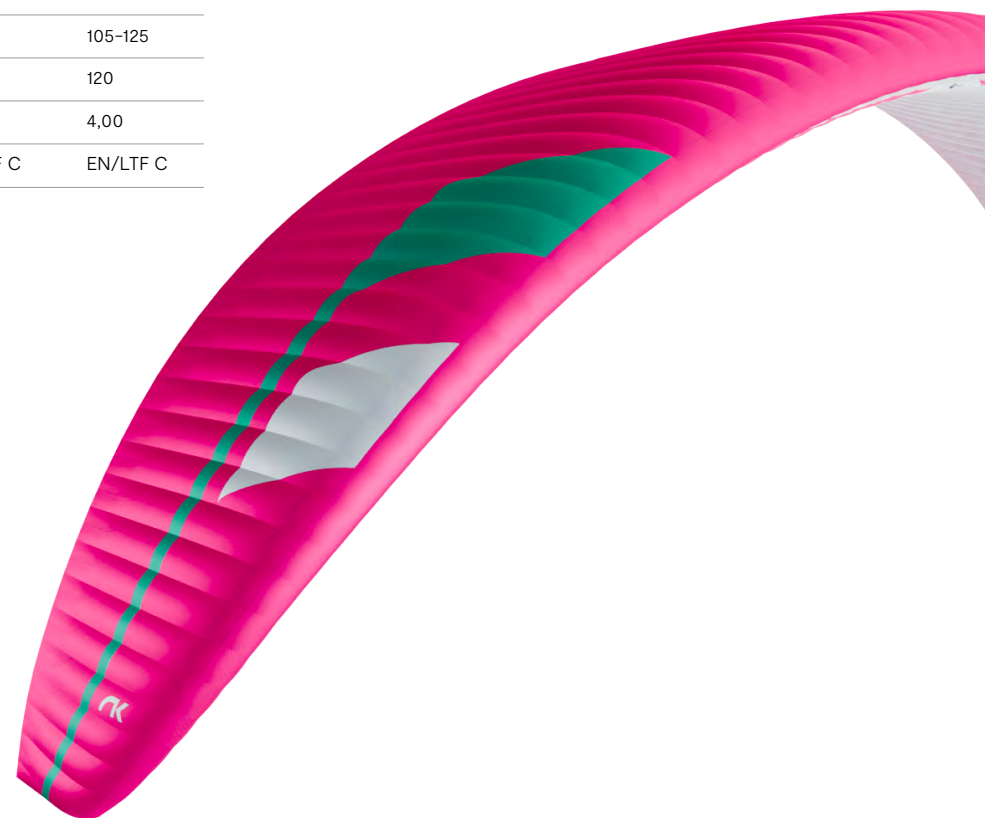


IVIUK BEYOND
THE GLIDE

TECHNICAL SPECIFICATIONS

			20	22	23	24	26	28
CELLS	NUMBER		66	66	66	66	66	66
ASPECT RATIO	FLAT		6,2	6,2	6,2	6,2	6,2	6,2
	PROJECTED		4,78	4,78	4,78	4,78	4,78	4,78
AREA	FLAT	m ²	20,3	21,8	23	24,5	26	27,5
	PROJECTED	m ²	17,31	18,59	19,61	20,89	22,17	23,45
SPAN	FLAT	m	11,22	11,63	11,94	12,33	12,70	13,1
CHORD	MAX	m	2,23	2,30	2,37	2,45	2,52	2,59
LINES	TOTAL	m	232	240	247	255	263	271
	MAIN		2-1/4/2	2-1/4/2	2-1/4/2	2-1/4/2	2-1/4/2	2-1/4/2
RISERS	NUMBER	3+1	A-A'/B/C	A-A'/B/C	A-A'/B/C	A-A'/B/C	A-A'/B/C	A-A'/B/C
	SPEED-BAR	mm	140	160	160	160	160	160
WEIGHT IN FLIGHT		kg	55-75	65-85	75-95	85-105	95-115	105-125
OPT. WEIGHT IN FLIGHT	MIN-MAX	kg	70	80	90	100	110	120
GLIDER WEIGHT		kg	3,07	3,22	3,33	3,50	3,75	4,00
CERTIFICATION			EN/LTF C	EN/LTF C	EN/LTF C	EN/LTF C	EN/LTF C	EN/LTF C

The total weight of the wing may differ ±2% due to variations in the weight of the fabric supplied by the manufacturers.



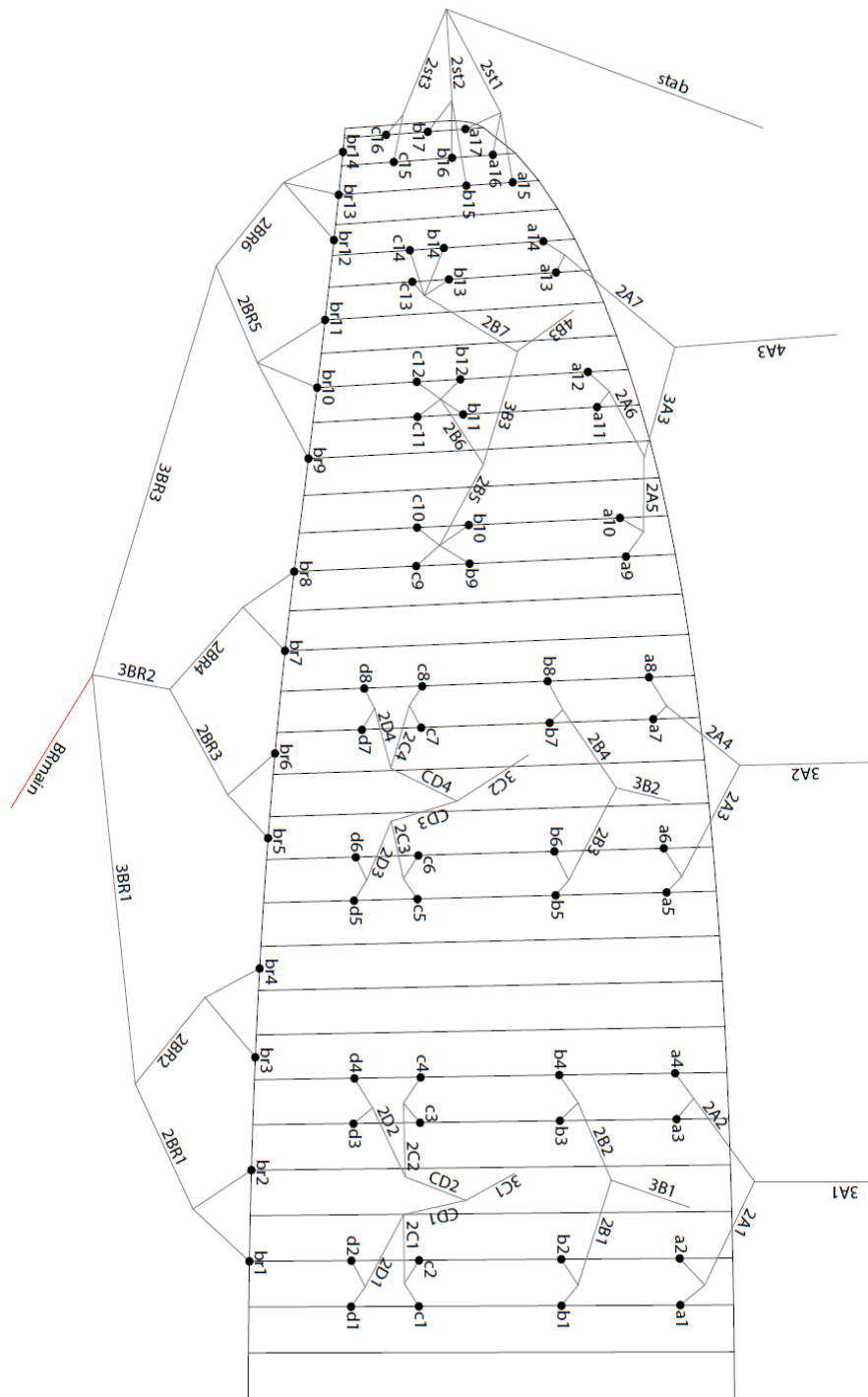
MATERIALS

CANOPY	FABRIC CODE	SUPPLIER
UPPER SURFACE	2044 32 FM / D10	DOMINICO TEX CO (KOREA)
BOTTOM SURFACE	D10	DOMINICO TEX CO (KOREA)
PROFILES	2044 32 FM / 7000 E91	DOMINICO TEX CO (KOREA) / PORCHER SPORT (FRANCE)
DIAGONALS	2044 32 FM / 7000 E91	DOMINICO TEX CO (KOREA) / PORCHER SPORT (FRANCE)
TENSION BANDS	2044 32 FM	DOMINICO TEX CO (KOREA)
LOOPS	LKI - 12	KOLON IND. (KOREA)
REINFORCEMENT LOOPS	RIPSTOP FABRIC	DOMINICO TEX CO (KOREA)
TRAILING EDGE REINFORCEMENT	MYLAR	D-P (GERMANY)
RIBS REINFORCEMENT	LTN-0.8 STICK	SPORTWARE CO.CHINA
THREAD	SERAFIL 60	AMAN (GERMANY)

SUSPENSION LINES	FABRIC CODE	SUPPLIER
UPPER CASCADES	DC - 40	LIROS GMHB (GERMANY)
UPPER CASCADES	DC - 60	LIROS GMHB (GERMANY)
MIDDLE CASCADES	DC - 40	LIROS GMHB (GERMANY)
MIDDLE CASCADES	DC - 60	LIROS GMHB (GERMANY)
MIDDLE CASCADES	A-8001/U 70	EDELRID (GERMANY)
MIDDLE CASCADES	A-8001/U 90	EDELRID (GERMANY)
MIDDLE CASCADES	A-8001/U 130	EDELRID (GERMANY)
MAIN	A-8001/U 90	EDELRID (GERMANY)
MAIN	A-8001/U 130	EDELRID (GERMANY)
MAIN	A-8001/U 190	EDELRID (GERMANY)
MAIN	A-8001/U 230	EDELRID (GERMANY)
MAIN BREAK	TARAX-200	EDELRID (GERMANY)
THREAD	SERAFIL 60	AMAN (GERMANY)

RISERS	FABRIC CODE	SUPPLIER
MATERIAL	3455	COUSIN (FRANCE)
COLOR INDICATOR	210D	TECNI SANGLES (FRANCE)
THREAD	V138	COATS (ENGLAND)
PULLEYS	RF25109	RONSTAN (AUSTRALIA)

LINE PLAN



LINE REPLACEMENT

The use of new high performance materials in modern wings is now common. The advantages of using these materials in terms of performance are widely acknowledged as part of our sport's evolution. However, along with those technological advances come additional responsibilities which cannot be avoided. As a result, line inspection and replacement must be carried out more frequently. That increased frequency appears to be encouraging some pilots to try to perform line replacement themselves.

WE STRONGLY RECOMMEND ANY LINE REPLACEMENT IS PERFORMED BY AN AUTHORISED SPECIALIST ONLY.

Ultimately, if the pilot decides to perform any line replacement without professional oversight they therefore assume all responsibility. In this case, these guidelines will have to be followed.

BEFORE REMOVING ANY LINES, CHECK:

- That the line plan is correct according to the glider model and size.
- That the line kit is complete and correct.
- Never assume but always check each individual line for the correct specification.

AFTER CONFIRMING THAT ALL LINES ARE CORRECT:

- Fit the new line(s) WITHOUT removing the label.
- Once replaced, measure each line length to confirm the correct measurement.
- Inflate the wing to check for any irregularities.
- The line labels may then be removed but NOT BEFORE completion of the line replacement.

Niviuk strongly recommends for any line replacement to be carried out by an authorised professional only, and will not accept responsibility for any damage or injury caused as a result of incorrect re-assembly.

SPECIAL CONFIGURATION ON LINES 4B3 - 3C1 - 3C2 - stab

The 4B3 - 3C1 - 3C2 - stab lines are connected to the maillon by means of a special fixation method. See diagram below.

The lark's foot/clove hitch is used to adjust the trim to the preset range. The loop will allow readjustment of the trim due to use, stretching or shrinking. Failure to make this loop compromises the trim of the wing and the safety of the pilot.



RISER PLAN

A	A'	B	C
3A1	4A3	3B1	3C1
3A2		3B2	3C2
		4B3	
		stab	



COLORS



NEON	UPPER	PINK	LOWER	WHITE
	TOP 1	SPECTRA GREEN	BOTTOM 1	PINK
	TOP 2	WHITE	BOTTOM 2	SPECTRA GREEN



EARTH	UPPER	GOLD	LOWER	WHITE
	TOP 1	WHITE	BOTTOM 1	GOLD
	TOP 2	SPECTRA GREEN	BOTTOM 2	SPECTRA GREEN



MINT	UPPER	SPECTRA GREEN	LOWER	WHITE
	TOP 1	WHITE	BOTTOM 1	SPECTRA GREEN
	TOP 2	LIME	BOTTOM 2	LIME

WING LOAD

ARTIK 7 P

20		22		23		24		26		28	
P.T.V.	KG/M2	P.T.V.	KG/M2	P.T.V.	KG/M2	P.T.V.	KG/M2	P.T.V.	KG/M2	P.T.V.	KG/M2
55	= 2,71	65	= 2,98	75	= 3,26	85	= 3,47	95	= 3,65	100	= 3,64
56	= 2,76	66	= 3,03	76	= 3,30	86	= 3,51	96	= 3,69	101	= 3,67
57	= 2,81	67	= 3,07	77	= 3,35	87	= 3,55	97	= 3,73	102	= 3,71
58	= 2,86	68	= 3,12	78	= 3,39	88	= 3,59	98	= 3,77	103	= 3,75
59	= 2,91	69	= 3,17	79	= 3,43	89	= 3,63	99	= 3,81	104	= 3,78
60	= 2,96	70	= 3,21	80	= 3,48	90	= 3,67	100	= 3,85	105	= 3,82
61	= 3,00	71	= 3,26	81	= 3,52	91	= 3,71	101	= 3,88	106	= 3,85
62	= 3,05	72	= 3,30	82	= 3,57	92	= 3,76	102	= 3,92	107	= 3,89
63	= 3,10	73	= 3,35	83	= 3,61	93	= 3,80	103	= 3,96	108	= 3,93
64	= 3,15	74	= 3,39	84	= 3,65	94	= 3,84	104	= 4,00	109	= 3,96
65	= 3,20	75	= 3,44	85	= 3,70	95	= 3,88	105	= 4,04	110	= 4,00
66	= 3,25	76	= 3,49	86	= 3,74	96	= 3,92	106	= 4,08	111	= 4,04
67	= 3,30	77	= 3,53	87	= 3,78	97	= 3,96	107	= 4,12	112	= 4,07
68	= 3,35	78	= 3,58	88	= 3,83	98	= 4,00	108	= 4,15	113	= 4,11
69	= 3,40	79	= 3,62	89	= 3,87	99	= 4,04	109	= 4,19	114	= 4,15
70	= 3,45	80	= 3,67	90	= 3,91	100	= 4,08	110	= 4,23	115	= 4,18
71	= 3,50	81	= 3,72	91	= 3,96	101	= 4,12	111	= 4,27	116	= 4,22
72	= 3,55	82	= 3,76	92	= 4,00	102	= 4,16	112	= 4,31	117	= 4,25
73	= 3,60	83	= 3,81	93	= 4,04	103	= 4,20	113	= 4,35	118	= 4,29
74	= 3,65	84	= 3,85	94	= 4,09	104	= 4,24	114	= 4,38	119	= 4,33
75	= 3,69	85	= 3,90	95	= 4,13	105	= 4,29	115	= 4,42	120	= 4,36
										121	4,40
										122	4,44
										123	4,47
										124	4,51
										125	4,55

LINE MEASUREMENTS

ARTIK 7 P - 20

LINES HEIGHT + RISER MM

	A	B	C	D	br
1	6973	6898	6956	7059	7173
2	6938	6863	6919	7025	6923
3	6898	6822	6884	6987	6781
4	6905	6830	6897	6997	6774
5	6828	6758	6827	6925	6645
6	6793	6724	6790	6888	6515
7	6732	6670	6740	6835	6436
8	6742	6682	6755	6832	6457
9	6648	6619	6713		6389
10	6589	6564	6663		6289
11	6483	6468	6549		6308
12	6473	6460	6539		6289
13	6400	6399	6461		6315
14	6406	6401	6463		6406
15	6220	6214	6246		
16	6172	6177	6238		
17	6171	6189			

RISERS LENGHT MM

A	A'	B	C	
530	530	530	530	STANDARD
390	390	435	530	ACCELERATED

ARTIK 7 P - 22

LINES HEIGHT + RISER MM

	A	B	C	D	br
1	7225	7148	7207	7313	7447
2	7189	7112	7169	7278	7188
3	7148	7071	7131	7239	7041
4	7156	7079	7146	7249	7035
5	7079	7006	7075	7176	6901
6	7042	6972	7038	7138	6767
7	6980	6917	6985	7084	6686
8	6990	6929	7001	7081	6708
9	6893	6864	6962		6639
10	6832	6807	6910		6536
11	6722	6708	6792		6556
12	6712	6699	6781		6536
13	6636	6636	6700		6563
14	6642	6637	6701		6658
15	6451	6444	6477		
16	6402	6406	6468		
17	6400	6418			

RISERS LENGHT MM

A	A'	B	C	
530	530	530	530	STANDARD
370	370	425	530	ACCELERATED

ARTIK 7 P - 23

LINES HEIGHT + RISER MM

	A	B	C	D	br
1	7417	7340	7400	7510	7667
2	7381	7304	7361	7474	7402
3	7339	7263	7324	7435	7251
4	7348	7271	7339	7446	7245
5	7267	7198	7268	7370	7101
6	7230	7162	7229	7331	6963
7	7167	7105	7175	7277	6881
8	7178	7118	7192	7275	6904
9	7077	7051	7152		6837
10	7015	6992	7098		6732
11	6902	6891	6977		6752
12	6892	6882	6966		6733
13	6814	6817	6883		6761
14	6820	6818	6884		6858
15	6627	6621	6655		
16	6576	6581	6646		
17	6574	6594			

RISERS LENGHT MM

A	A'	B	C	
530	530	530	530	STANDARD
370	370	425	530	ACCELERATED

LINE MEASUREMENTS

ARTIK 7 P - 24

LINES HEIGHT + RISER MM

	A	B	C	D	br
1	7664	7583	7637	7750	7925
2	7627	7546	7597	7714	7651
3	7586	7505	7561	7675	7496
4	7595	7514	7577	7687	7491
5	7515	7437	7501	7608	7341
6	7476	7401	7462	7568	7200
7	7408	7340	7408	7512	7115
8	7419	7353	7425	7510	7140
9	7313	7282	7386		7066
10	7248	7221	7330		6958
11	7132	7116	7205		6980
12	7121	7107	7194		6960
13	7042	7039	7107		6990
14	7049	7040	7108		7090
15	6851	6844	6879		
16	6799	6803	6870		
17	6796	6816			

RISERS LENGHT MM

A	A'	B	C	
530	530	530	530	STANDARD
370	370	425	530	ACCELERATED

ARTIK 7 P - 26

LINES HEIGHT + RISER MM

	A	B	C	D	br
1	7886	7808	7865	7981	8175
2	7849	7771	7824	7944	7893
3	7807	7728	7787	7904	7734
4	7817	7738	7804	7916	7729
5	7735	7663	7728	7838	7574
6	7696	7626	7687	7796	7429
7	7629	7567	7632	7740	7343
8	7641	7580	7650	7737	7369
9	7534	7511	7618		7294
10	7468	7448	7561		7183
11	7348	7341	7432		7206
12	7337	7331	7421		7187
13	7255	7262	7332		7217
14	7262	7264	7334		7321
15	7062	7054	7091		
16	7008	7012	7082		
17	7006	7026			

RISERS LENGHT MM

A	A'	B	C	
530	530	530	530	STANDARD
370	370	425	530	ACCELERATED

ARTIK 7 P - 28

LINES HEIGHT + RISER MM

	A	B	C	D	br
1	8108	8021	8087	8207	8417
2	8070	7983	8045	8169	8128
3	8027	7940	8008	8128	7965
4	8038	7951	8026	8141	7960
5	7955	7874	7948	8061	7801
6	7915	7836	7906	8019	7652
7	7847	7776	7849	7961	7564
8	7859	7790	7868	7958	7591
9	7752	7721	7830		7516
10	7684	7656	7772		7402
11	7561	7546	7640		7426
12	7550	7536	7628		7407
13	7464	7465	7538		7438
14	7471	7467	7539		7545
15	7257	7250	7288		
16	7202	7207	7278		
17	7200	7221			

RISERS LENGHT MM

A	A'	B	C	
530	530	530	530	STANDARD
370	370	425	530	ACCELERATED

SUSPENSION

MATERIAL CODE		DC	DC	A-8001/U	8001/U	A-8001/U	A-8001/U	A-8001/U	TARAX
STRENGTH CODE		040	060	070	90	130	190	230	200
DIAMETER mm	∅	0,5	0,6	0,7	0,8	0,9	1,1	1,1 x 1,4	1,7
CORE MATERIAL		DYNEEMA	DYNEEMA	ARAMID	ARAMID	ARAMID	ARAMID	ARAMID	DYNEEMA
SLEEVE MATERIAL		NO	NO	NO	NO	NO	NO	NO	POLYESTER
WEIGHT G/M	TOTAL	0,19	0,24	0,4	0,5	0,8	1,1	1,4	2
BREAKING STRENGTH daN	MINIMUM	40	60	70	90	130	190	230	200
	MAXIMUM	48	84	78	110	144	211	255	
STRENGTH AFTER 5.000 BENDING CYCLES									
	TEST EN	33	74	39	49	88	52	69	
ELONGATION AT	5 daN en %			0,5	0,4	0,4	0,4	0,3	0,1-0,3
	10 daN en %		0,43	0,7	0,6	0,6	0,6	0,5	0,2-0,6
	15 daN en %			1	0,8	0,8	0,7	0,6	0,3-0,7
	20 daN en %			1,3	1	0,9	0,9	0,7	0,3-0,9
	25 daN en %			1,5	1,3	1	1	0,8	0,4-1
	30 daN en %		1,2	2,8	2,3	1,8	1,6	1,3	
	75 daN en %			3,7	3,2	3,1	2,7	2,3	0,8-1,7
	100 daN en %						2,6	3,6	1,2-2
	125 daN en %						3,5	3,3	
	150 daN en %						4,3	3,6	1,6-2,4
	175 daN en %								
	200 daN en %								2-2,8
ELONGATION MAX. BREAKING STRENGTH %			3,2	3,9	4,3	4	4,4	4,4	

PULLEY

DESCRIPTION PULLEY

PULLEY	20 mm
CODE	RF25109
MATERIALS	STAINLESS STEEL NYLON CARBON ACETAL
BEARING	DELRIN®
WEIGHT	14 G/PIECE

TECHNICAL SPECIFICATIONS



DIMENSIONS	mm
A	20
B	33
Ø	5 max
LOAD	KG
WORKING LIMIT	200
BREAKING	400

THREAD

WING MAKING

NAME	SERAFIL
N° OF REFERENCE	60
MATERIAL	POLYESTER
TYPE OF FINISH	SILK
LINEAR DENSITY	NM 61 / 3 (DTEX 163 * 3)
BREAKING STRENGTH	3,000 CN
ELONGATION	17,00%

QUALITIES SERAFIL

SOLIDITY ARTIFICIAL LIGTH	ISO 105 B02 > 5 - 6
SOLIDITY SWEAT	ISO 105 E04 > 4
SOLIDITY WASHING	ISO 105 C04 > 3
SOLIDITY GRAZE IN DRY	ISO 105 X12 > 4
SOLIDITY WASHING IN DRY	ISO 105 D01 > 3 - 4

TREATMENT WATER REPELLENT	WR
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RISERS MAKING

NAME	COATS BONDED C.F.P.
N° OF REFERENCE	V138
MATERIAL	POLYESTER
TYPE OF FINISH	SILK
BREAKING STRENGTH	9,5 KG
ELONGATION	19%

RISERS

RISERS

N° OF REFERENCE	3455
MATERIAL	POLYESTER & TECHNORA
WIDTH	12 MM
THICKNESS	2,25 MM
BREAKING STRENGTH	1.100 DAN
ELONGATION	MAX. 11%
WEIGHT	21,1 G/M
COLOR	BLACK

COLOR INDICATOR

N° OF REFERENCE	IC-G 1-2
MATERIAL	POLYESTER
WIDTH	70 M/M
THICKNESS	0,80 M/M
BREAKING STRENGTH	130 DN
ELONGATION	35 %
WEIGHT	32 G * L.M.
COLOR	GREEN



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