

## ANEXOS

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

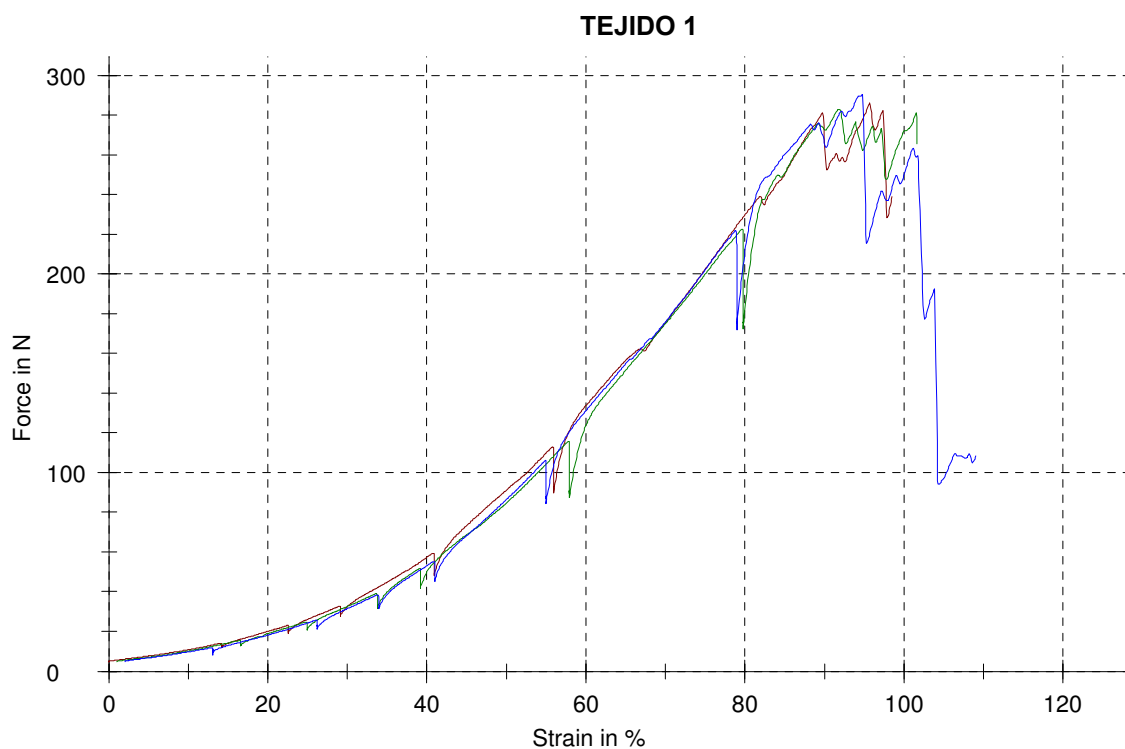
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen	: 269 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	88,96	286,21	57,24	28620,83	238,80	47,76	23880,42	95,68	98,53
2	50	84,81	282,78	56,56	28277,93	265,57	53,11	26556,73	90,77	100,68
3	50	84,16	290,42	58,08	29042,35	108,17	21,63	10816,71	92,82	107,08

Nr	WH Nmm	Judgement	Findings
1	9217	T1CV1	
2	7679	T1CV2	
3	8431	T1CV3	

## Series graph:



**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	85,98	286,47	57,29	28647,04	204,18	40,84	20417,95	93,09	102,10
s	0,000	2,60	3,83	0,77	382,88	84,22	16,84	8421,91	2,46	4,45
v	0,00	3,03	1,34	1,34	1,34	41,25	41,25	41,25	2,65	4,36

Series n = 3	WH Nmm
$\bar{x}$	8442
s	769,3
v	9,11

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

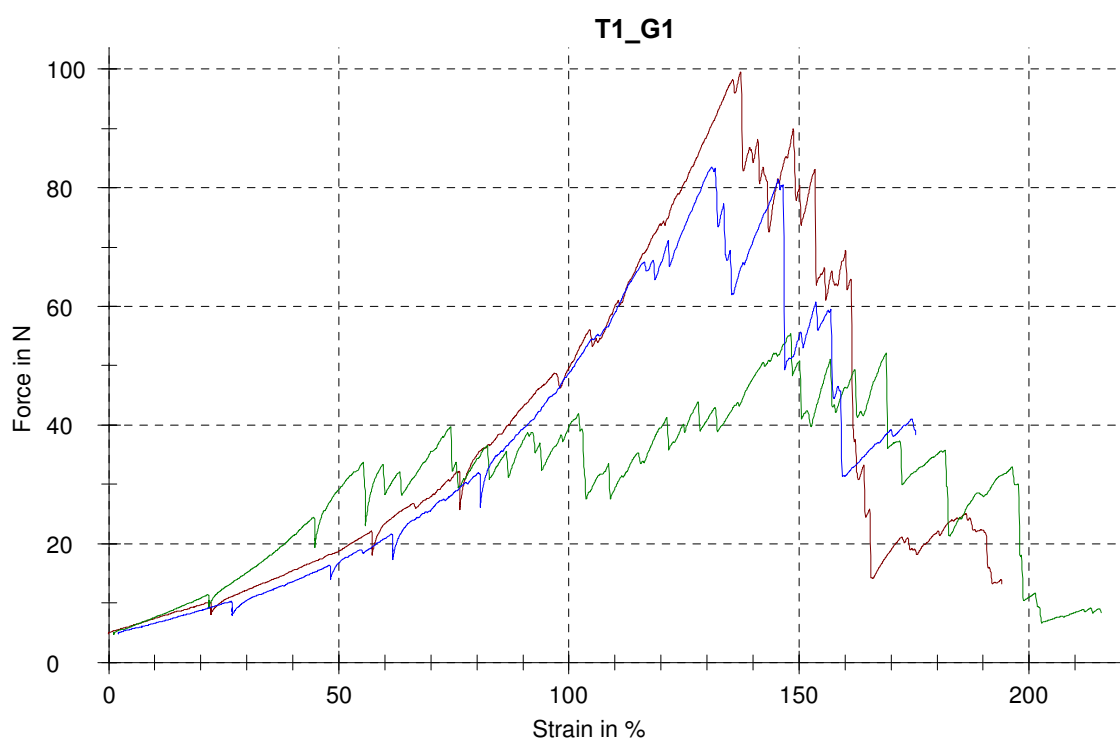
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen	: 269 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
1	50	117,76	99,56	19,91	9955,53	13,23	2,65	1322,51	137,27	194,05
2	50	98,84	55,36	11,07	5535,76	8,36	1,67	835,89	147,18	214,63
3	50	115,23	83,48	16,70	8348,49	38,38	7,68	3837,58	128,97	173,29

Nr	WH Nmm	Judgement	Findings
1	5766	T1_G1_V1	
2	4245	T1_G1_V2	
3	4588	T1_G1_V3	

## Series graph:



**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	110,61	79,47	15,89	7946,59	19,99	4,00	1998,66	137,81	193,99
s	0,000	10,27	22,37	4,47	2237,13	16,11	3,22	1611,03	9,12	20,67
v	0,00	9,28	28,15	28,15	28,15	80,61	80,61	80,61	6,62	10,65

Series n = 3	WH Nmm
$\bar{x}$	4866
s	797,6
v	16,39

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

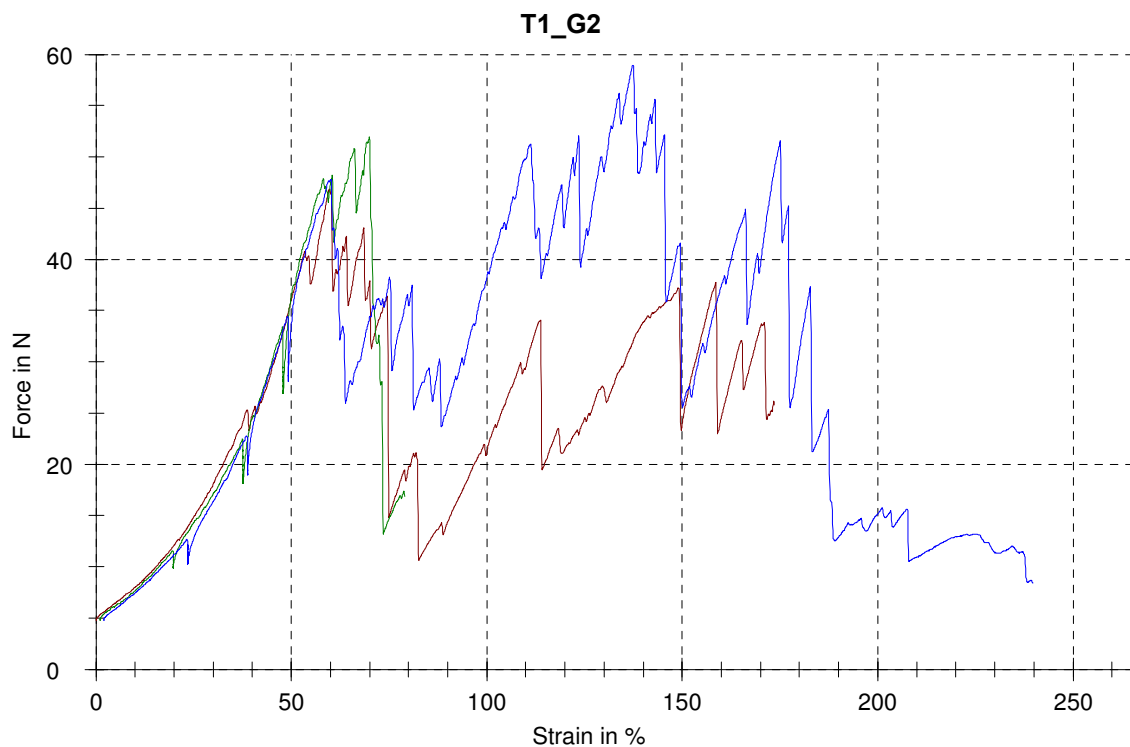
Tester	:	State of the measurement specimen:
Test standard	:	Test machine
material	:	Load cell
Manufacture/Batch	:	Extensometer (path)
Pre-treatment	:	Specimen holders
Specimen removal method	:	Remarks
Grip to grip separation	: 60 mm	Test speed
Pre-load	: 5 N	Area weight of the test specimen: 269 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	104,88	46,84	9,37	4684,01	25,76	5,15	2576,09	59,72	173,51
2	50	107,46	51,91	10,38	5190,71	16,84	3,37	1683,92	68,90	77,90
3	50	109,54	58,96	11,79	5895,58	8,36	1,67	836,07	135,36	237,66

Nr	WH Nmm	Judgement	Findings
1	1280	T1_G2_V1	
2	1821	T1_G2_V2	
3	4608	T1_G2_V3	

## Series graph:



**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	107,29	52,57	10,51	5256,77	16,99	3,40	1698,70	88,00	163,02
s	0,000	2,34	6,08	1,22	608,48	8,70	1,74	870,10	41,27	80,40
v	0,00	2,18	11,58	11,58	11,58	51,22	51,22	51,22	46,90	49,32

Series n = 3	WH Nmm
$\bar{x}$	2570
s	1786
v	69,48

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

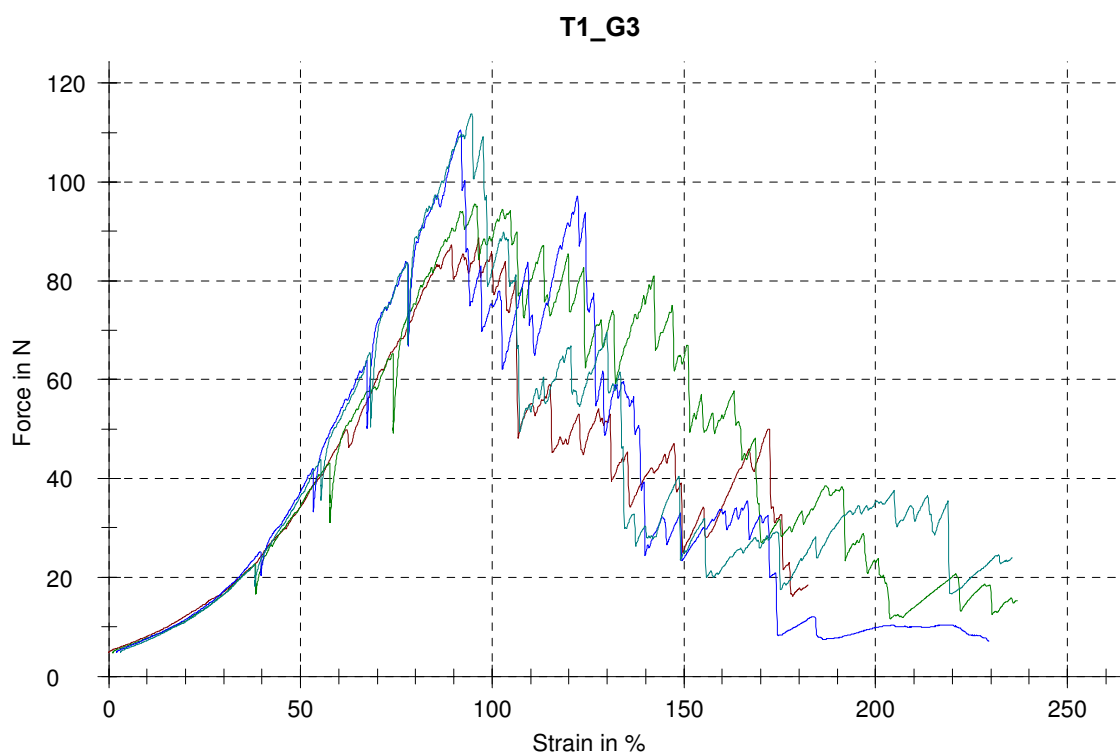
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen	: 269 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
1	50	97,48	88,63	17,73	8862,53	18,44	3,69	1843,96	96,43	182,33
2	50	94,48	95,56	19,11	9555,77	15,27	3,05	1527,02	94,49	236,04
3	50	114,36	110,62	22,12	11061,84	7,09	1,42	709,18	89,81	227,44
4	50	112,46	113,80	22,76	11380,45	24,00	4,80	2400,06	91,62	232,59

Nr	WH Nmm	Judgement	Findings
1	3664	T1-Control	
2	3512	T1-G3_V1	
3	4327	T1-G3_V2	
4	4554	T1-G3_V3	

## Series graph:





**Statistics:**

Series n = 4	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	104,69	102,15	20,43	10215,14	16,20	3,24	1620,05	93,09	219,60
s	0,000	10,17	12,03	2,41	1202,66	7,06	1,41	706,37	2,94	25,10
v	0,00	9,71	11,77	11,77	11,77	43,60	43,60	43,60	3,16	11,43

Series n = 4	WH Nmm
$\bar{x}$	4014
s	504,6
v	12,57

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

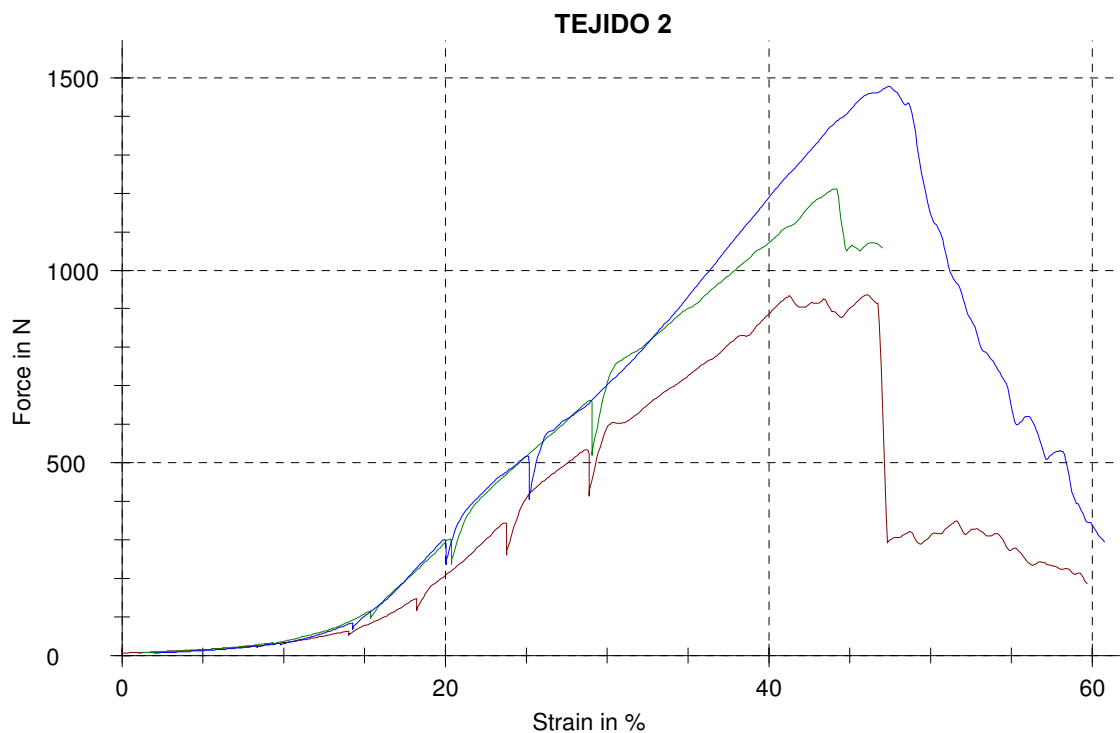
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen	: 190 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %
1	50	65,63	936,58	187,32	93658,20	185,34	37,07	18534,27	46,12
2	50	63,91	1212,01	242,40	121201,25	1058,37	211,67	105837,11	43,18
3	50	70,09	1477,55	295,51	147755,02	294,35	58,87	29435,42	45,41

Nr	$\epsilon_B$ %	WH Nmm	Judgement	Findings
1	59,63	11694	T2C_V1	
2	46,00	12960	T2C_V2	
3	58,73	18166	T2C_V3	

## Series graph:



**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	66,54	1208,71	241,74	120871,49	512,69	102,54	51268,93	44,91	54,79
s	0,000	3,19	270,50	54,10	27049,92	475,71	95,14	47570,72	1,53	7,62
v	0,00	4,80	22,38	22,38	22,38	92,79	92,79	92,79	3,41	13,91

Series n = 3	WH Nmm
$\bar{x}$	14273
s	3431
v	24,03

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

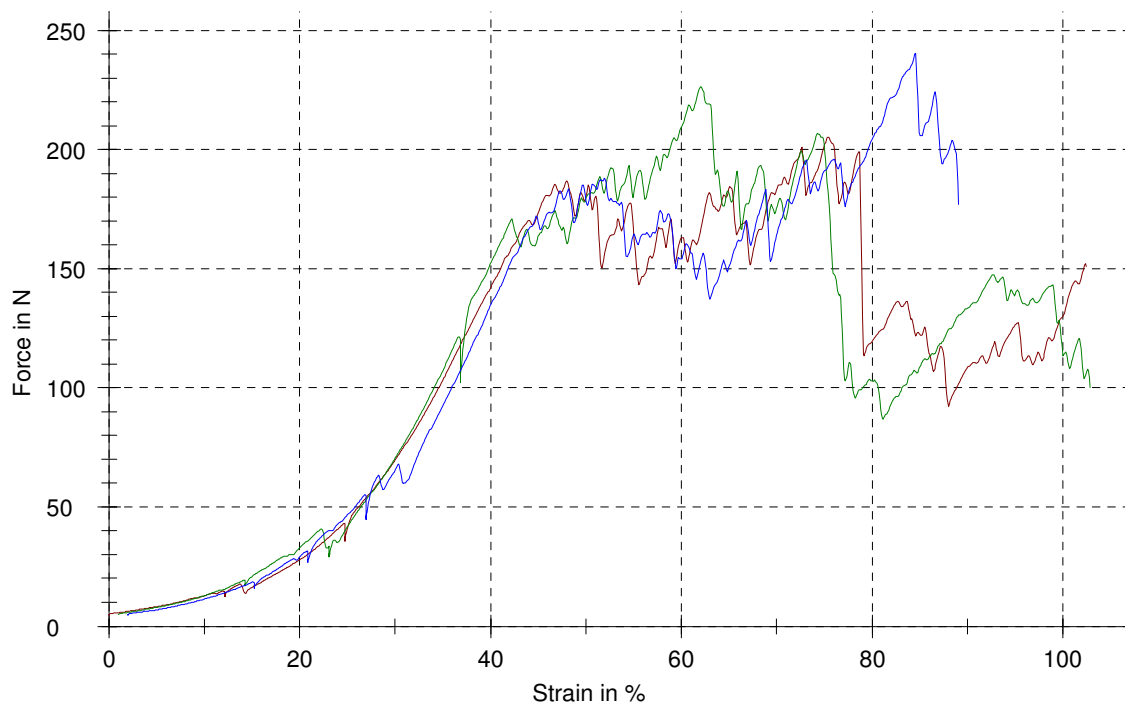
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen	: 190 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	83,59	205,18	41,04	20517,91	150,92	30,18	15091,68	75,47	102,42
2	50	83,53	226,34	45,27	22634,06	100,11	20,02	10010,76	61,08	101,87
3	50	81,46	240,35	48,07	24035,35	177,00	35,40	17700,29	82,56	87,06

Nr	WH Nmm	Judgement	Findings
1	6564	T2_G2_V1	
2	4885	T2_G2_V2	
3	7717	T2_G2_V3	

## Series graph:



**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	82,86	223,96	44,79	22395,77	142,68	28,54	14267,58	73,04	97,12
s	0,000	1,21	17,71	3,54	1770,78	39,10	7,82	3910,45	10,94	8,71
v	0,00	1,46	7,91	7,91	7,91	27,41	27,41	27,41	14,98	8,97

Series n = 3	WH Nmm
$\bar{x}$	6389
s	1425
v	22,30

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

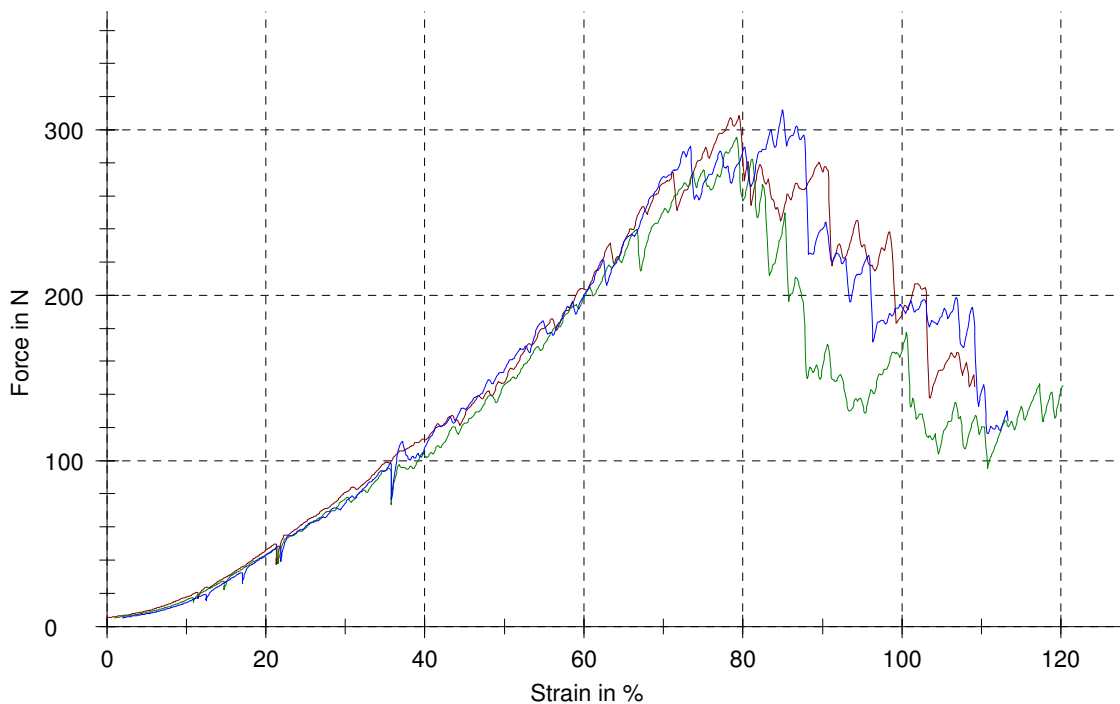
Tester	:	State of the measurement specimen:
Test standard	:	Test machine
material	:	Load cell
Manufacture/Batch	:	Extensometer (path)
Pre-treatment	:	Specimen holders
Specimen removal method	:	Remarks
Grip to grip separation	: 60 mm	Test speed
Pre-load	: 5 N	Area weight of the test specimen: 190 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	78,89	308,85	61,77	30885,33	144,66	28,93	14466,22	79,53	109,10
2	50	86,38	295,40	59,08	29540,06	144,86	28,97	14486,28	78,24	119,22
3	50	80,06	312,02	62,40	31202,20	124,22	24,84	12421,98	83,04	111,35

Nr	WH Nmm	Judgement	Findings
1	7978	T2_G3_V1	
2	8227	T2_G3_V2	
3	9198	T2_G3_V3	

## Series graph:



**Statistics:**

Series	b0 Strip specimen	L0	FH	$\sigma$ H	RH	FB	$\sigma$ B	RB	$\epsilon$ H	$\epsilon$ B
n = 3	mm	mm	N	N/cm	cN/tex	N	N/cm	cN/tex	%	%
$\bar{x}$	50	81,78	305,43	61,09	30542,53	137,91	27,58	13791,49	80,27	113,23
s	0,000	4,03	8,83	1,77	882,50	11,86	2,37	1186,08	2,48	5,31
v	0,00	4,92	2,89	2,89	2,89	8,60	8,60	8,60	3,09	4,69

Series	WH
n = 3	Nmm
$\bar{x}$	8467
s	644,6
v	7,61

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

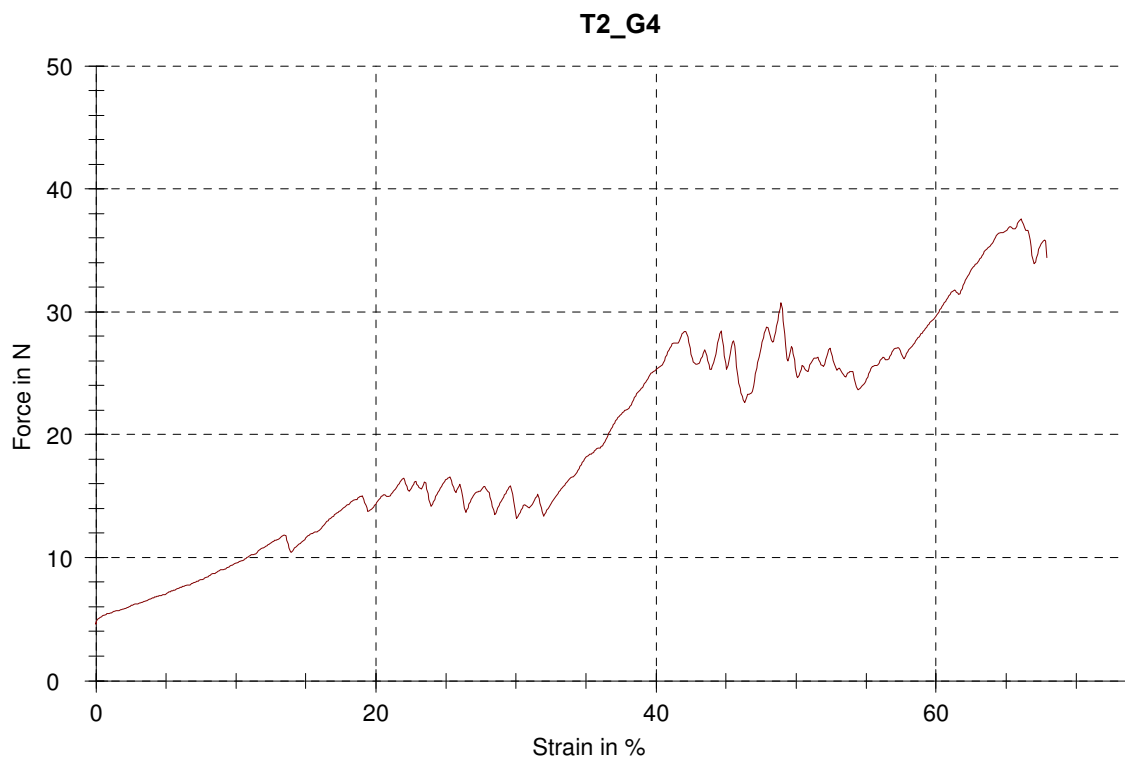
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen	: 190 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %	WH Nmm
1	50	84,06	37,57	7,51	3756,73	34,44	6,89	3444,03	66,06	67,88	1061

Nr	Judgement	Findings
1	T2_G4	SI RESISTE CARGA PERO NO GEOM.

## Series graph:





**Statistics:**

Series n = 1	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %	WH Nmm
$\bar{x}$	50	84,06	37,57	7,51	3756,73	34,44	6,89	3444,03	66,06	67,88	1061
s	-	-	-	-	-	-	-	-	-	-	-
v	-	-	-	-	-	-	-	-	-	-	-

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

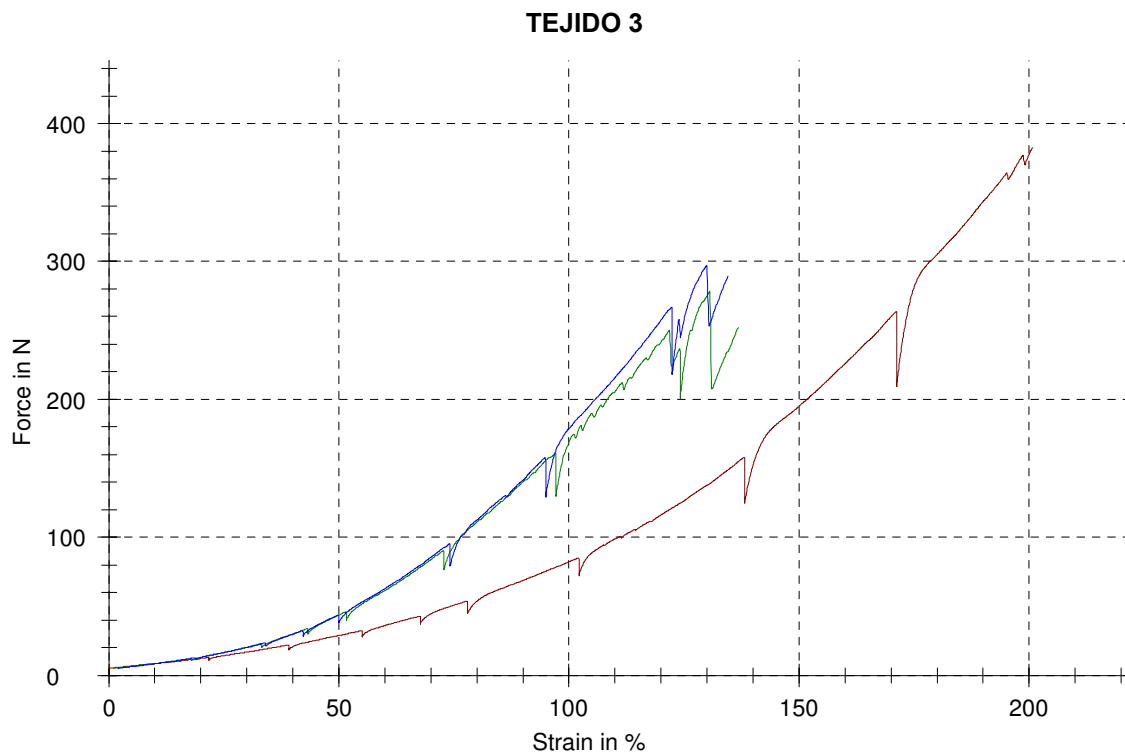
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen:	240 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	94,71	382,33	76,47	38233,00	382,33	76,47	38233,00	200,69	200,69
2	50	91,14	278,06	55,61	27806,10	252,20	50,44	25219,65	129,58	135,80
3	50	89,73	297,12	59,42	29711,86	289,39	57,88	28939,19	127,95	132,56

Nr	WH Nmm	Judgement	Findings
1	22924	T3CV1	
2	11487	T3CV2	
3	11638	T3CV3	

## Series graph:



**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	91,86	319,17	63,83	31916,99	307,97	61,59	30797,28	152,74	156,35
s	0,000	2,57	55,52	11,10	5552,21	67,03	13,41	6702,70	41,53	38,44
v	0,00	2,80	17,40	17,40	17,40	21,76	21,76	21,76	27,19	24,58

Series n = 3	WH Nmm
$\bar{x}$	15350
s	6560
v	42,74

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

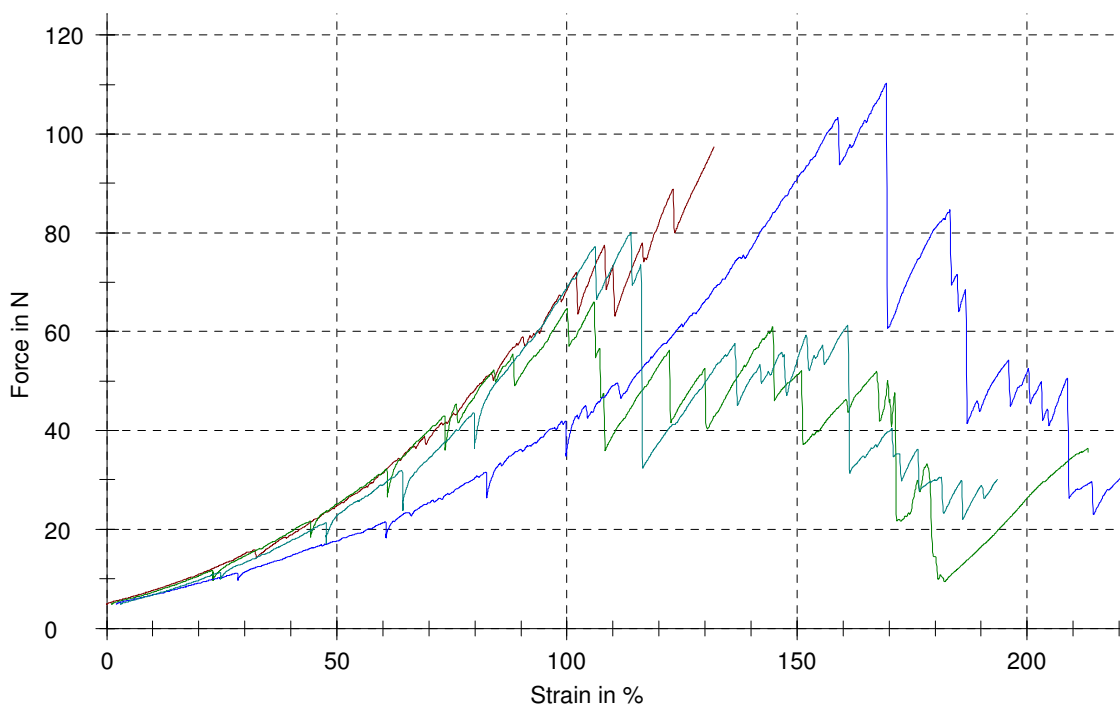
Tester	:	State of the measurement specimen:
Test standard	:	Test machine
material	:	Load cell
Manufacture/Batch	:	Extensometer (path)
Pre-treatment	:	Specimen holders
Specimen removal method	:	Remarks
Grip to grip separation	: 60 mm	Test speed
Pre-load	: 5 N	Area weight of the test specimen: 240 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	112,78	97,47	19,49	9746,98	97,47	19,49	9746,98	132,00	132,00
2	50	109,79	66,02	13,20	6601,53	35,65	7,13	3564,77	104,87	212,22
3	50	112,66	110,25	22,05	11024,55	29,74	5,95	2973,64	167,32	218,98
4	50	115,94	80,05	16,01	8005,36	30,00	6,00	2999,56	110,89	190,47

Nr	WH Nmm	Judgement	Findings
1	6068	T3_G1_CONTROL	
2	3474	T3_G1_V1	
3	7866	T3_G1_V2	
4	4265	T3_G1_V3	

## Series graph:



**Statistics:**

Series n = 4	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	112,79	88,45	17,69	8844,60	48,21	9,64	4821,24	128,77	188,42
s	0,000	2,51	19,41	3,88	1940,98	32,95	6,59	3295,13	28,21	39,53
v	0,00	2,23	21,95	21,95	21,95	68,35	68,35	68,35	21,91	20,98

Series n = 4	WH Nmm
$\bar{x}$	5418
s	1960
v	36,18

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

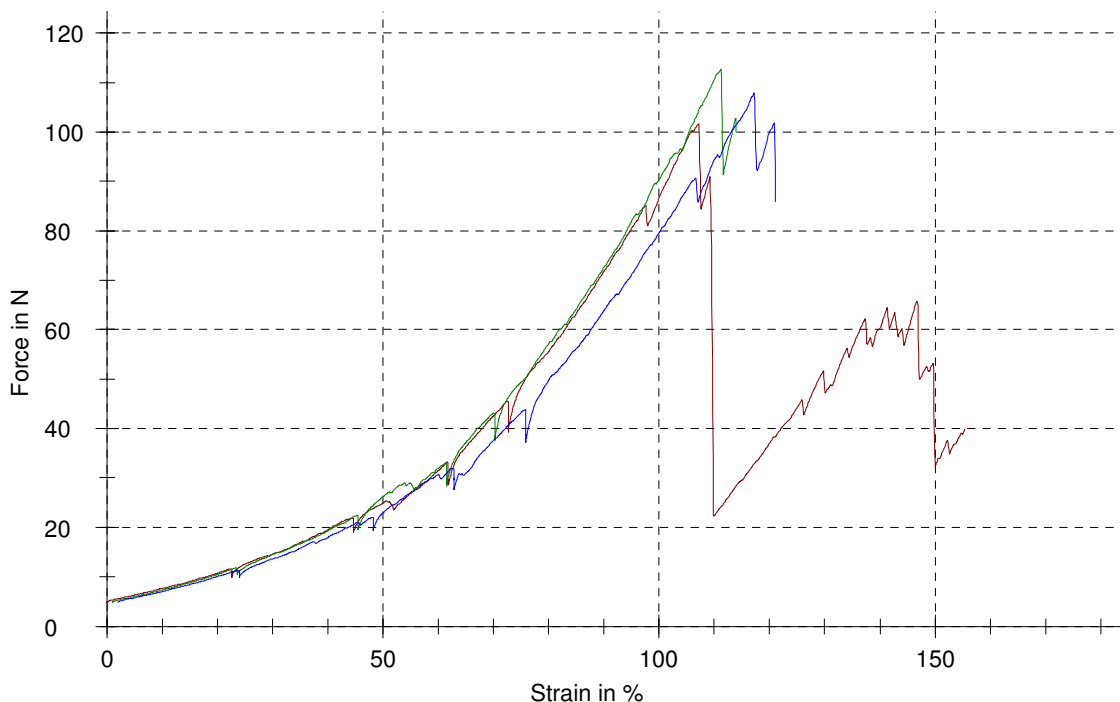
Tester	:	State of the measurement specimen:
Test standard	:	Test machine
material	:	Load cell
Manufacture/Batch	:	Extensometer (path)
Pre-treatment	:	Specimen holders
Specimen removal method	:	Remarks
Grip to grip separation	: 60 mm	Test speed
Pre-load	: 5 N	Area weight of the test specimen: 240 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	106,78	101,66	20,33	10165,64	39,82	7,96	3981,84	107,20	155,40
2	50	106,26	112,68	22,54	11267,62	99,99	20,00	9999,26	110,23	112,93
3	50	98,34	107,93	21,59	10792,72	85,90	17,18	8589,59	115,27	119,07

Nr	WH Nmm	Judgement	Findings
1	4162	T3_G2_V1	
2	4671	T3_G2_V2	
3	4434	T3_G2_V3	

## Series graph:



**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	103,79	107,42	21,48	10741,99	75,24	15,05	7523,56	110,90	129,13
s	0,000	4,73	5,53	1,11	552,74	31,47	6,29	3147,16	4,08	22,95
v	0,00	4,55	5,15	5,15	5,15	41,83	41,83	41,83	3,68	17,78

Series n = 3	WH Nmm
$\bar{x}$	4422
s	254,7
v	5,76

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

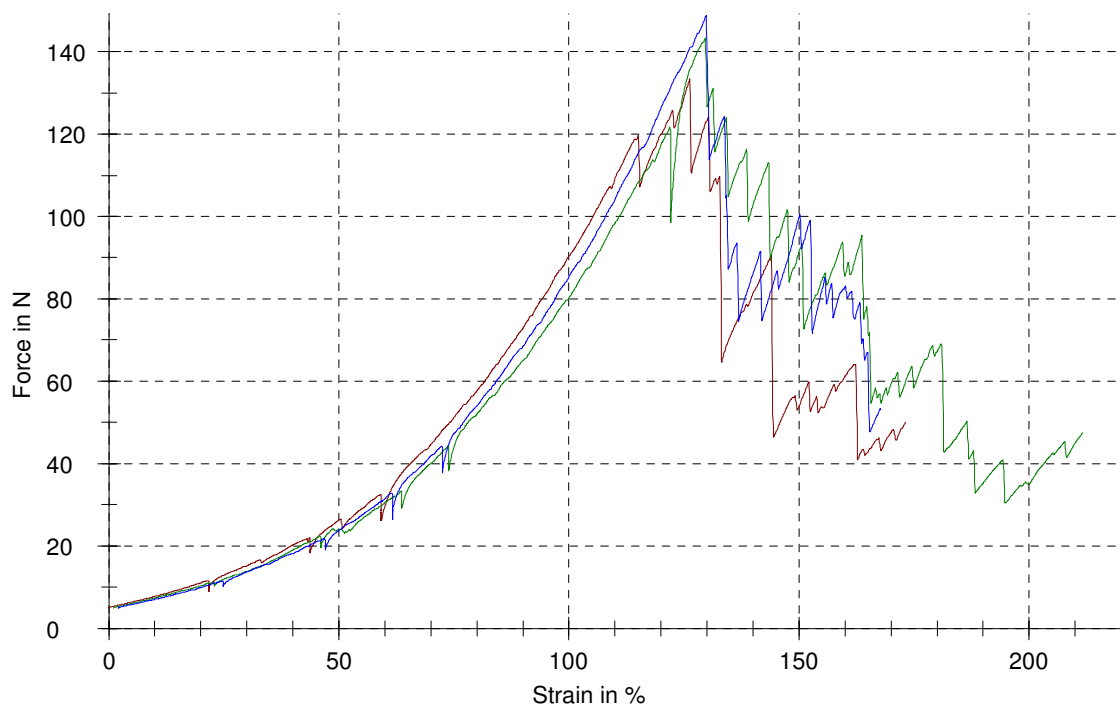
Tester	:	State of the measurement specimen:
Test standard	:	Test machine
material	:	Load cell
Manufacture/Batch	:	Extensometer (path)
Pre-treatment	:	Specimen holders
Specimen removal method	:	Remarks
Grip to grip separation	: 60 mm	Test speed
Pre-load	: 5 N	Area weight of the test specimen: 240 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	106,38	133,42	26,68	13341,92	49,98	10,00	4997,66	126,26	173,19
2	50	101,39	143,37	28,67	14336,87	47,40	9,48	4740,14	128,65	210,64
3	50	104,79	148,79	29,76	14878,66	52,91	10,58	5291,13	127,81	165,73

Nr	WH Nmm	Judgement	Findings
1	6658	T3_G3_V1	
2	6305	T3_G3_V2	
3	6852	T3_G3_V3	

## Series graph:





**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	104,19	141,86	28,37	14185,82	50,10	10,02	5009,64	127,57	183,19
s	0,000	2,55	7,79	1,56	779,43	2,76	0,55	275,69	1,21	24,07
v	0,00	2,44	5,49	5,49	5,49	5,50	5,50	5,50	0,95	13,14

Series n = 3	WH Nmm
$\bar{x}$	6605
s	277,7
v	4,20

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

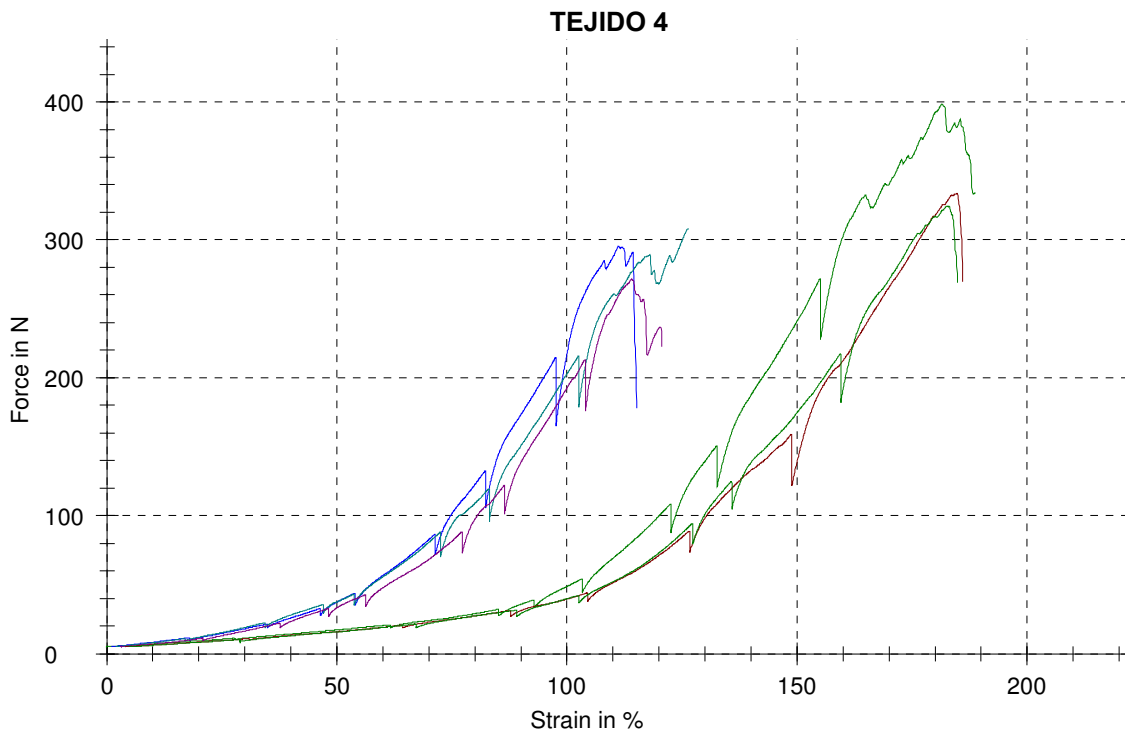
Tester	:	State of the measurement specimen:
Test standard	:	Test machine
material	:	Load cell
Manufacture/Batch	:	Extensometer (path)
Pre-treatment	:	Specimen holders
Specimen removal method	:	Remarks
Grip to grip separation	:	60 mm
Pre-load	:	5 N
Test speed	:	200 mm/min
Area weight of the test specimen	:	190 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
†2	50	100,00	-	-	-	-	-	-	-	-
3	50	106,71	398,60	79,72	39859,71	334,37	66,87	33436,73	181,52	188,70
4	50	127,11	295,23	59,05	29523,24	177,72	35,54	17771,90	110,24	114,23
5	50	124,71	308,09	61,62	30809,34	307,92	61,58	30791,78	124,31	124,47
6	50	123,64	271,53	54,31	27152,57	222,53	44,51	22253,18	110,99	117,62
7	50	100,18	333,41	66,68	33341,41	269,26	53,85	26925,96	180,74	182,01
8	50	100,86	324,33	64,87	32433,28	268,76	53,75	26875,78	178,00	179,85

Nr	WH Nmm	Judgement	Findings
†2	-		
3	19541	T4C V1	Perpendicular
4	11874	T4C V2	Paralelo
5	15911	T4C V3	Paralelo
6	10548	T4C V4	Paralelo
7	14944	T4C V5	Perpendicular
8	14794	T4C_V6	Perpendicular

Series graph:



Statistics:

Series n = 6	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
$\bar{x}$	50	113,87	321,87	64,37	32186,59	263,43	52,69	26342,56	147,63	151,15
s	0,000	12,62	43,50	8,70	4349,78	56,73	11,35	5673,21	35,92	35,74
v	0,00	11,08	13,51	13,51	13,51	21,54	21,54	21,54	24,33	23,64

Series n = 6	WH Nmm
$\bar{x}$	14602
s	3167
v	21,69

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

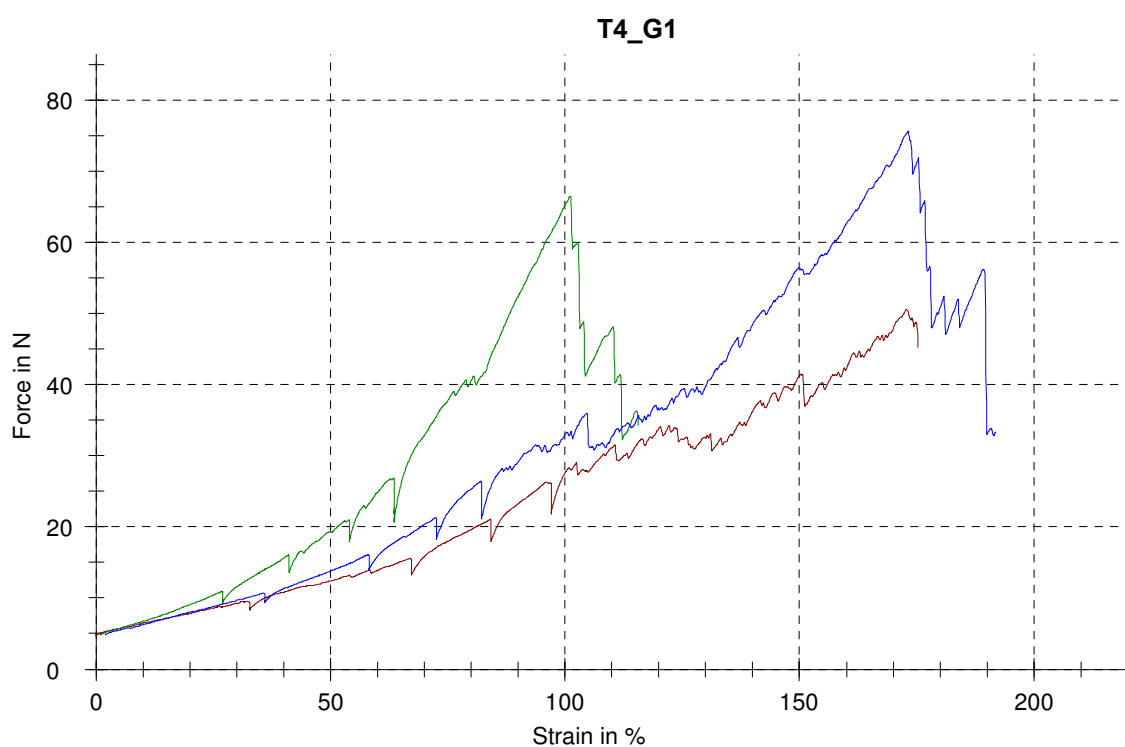
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen	: 190 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	110,69	50,52	10,10	5051,87	45,18	9,04	4517,61	172,73	175,20
2	50	131,79	66,46	13,29	6646,29	34,24	6,85	3424,00	100,15	114,62
3	50	119,76	75,63	15,13	7562,64	33,18	6,64	3317,82	171,17	189,82

Nr	WH Nmm	Judgement	Findings
1	4402	T4_G1_V1	
2	3324	T4_G1_V2	
3	6078	T4_G1_V3	

## Series graph:



**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	120,75	64,20	12,84	6420,27	37,53	7,51	3753,14	148,02	159,88
s	0,000	10,58	12,71	2,54	1270,56	6,64	1,33	664,17	41,46	39,87
v	0,00	8,77	19,79	19,79	19,79	17,70	17,70	17,70	28,01	24,94

Series n = 3	WH Nmm
$\bar{x}$	4601
s	1388
v	30,15

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

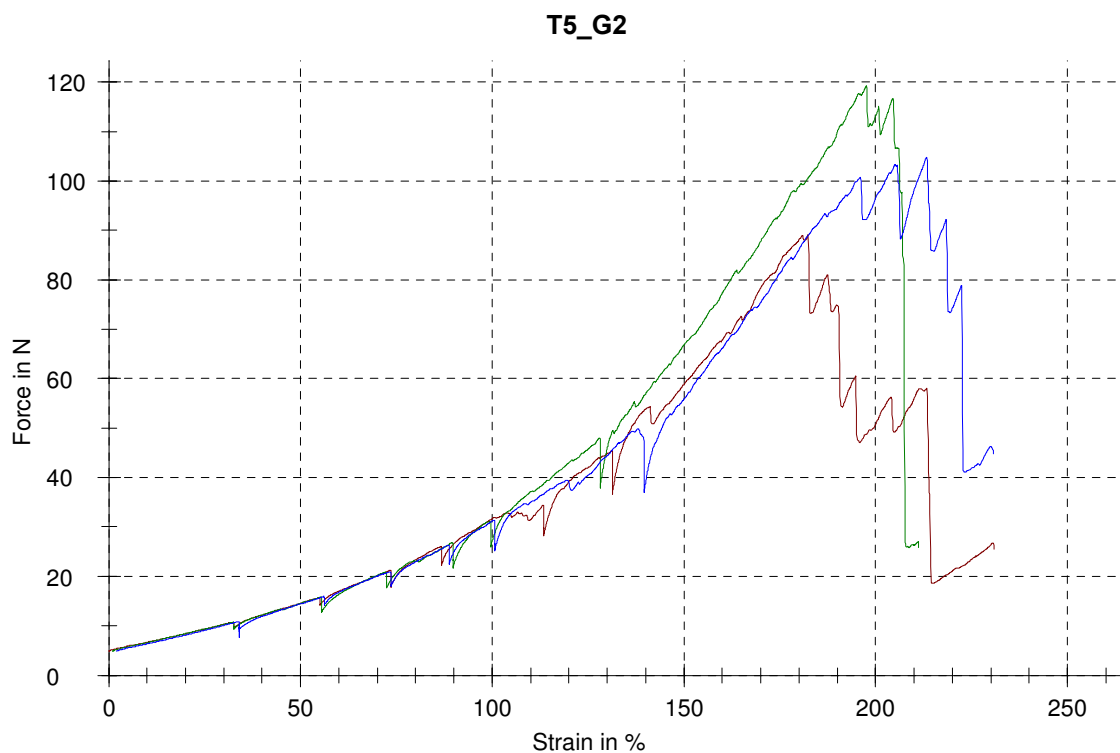
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen	: 190 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	107,76	89,20	17,84	8919,53	25,44	5,09	2544,38	182,39	230,83
2	50	117,19	119,29	23,86	11929,44	25,72	5,14	2571,97	196,61	210,15
3	50	101,73	104,73	20,95	10472,98	44,81	8,96	4480,76	211,26	228,63

Nr	WH Nmm	Judgement	Findings
1	6551	T4_G2_V1	
2	9664	T4_G2_V2	
3	9068	T4_G2_V3	

## Series graph:



**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	108,89	104,41	20,88	10440,65	31,99	6,40	3199,04	196,75	223,20
s	0,000	7,80	15,05	3,01	1505,21	11,10	2,22	1110,09	14,44	11,36
v	0,00	7,16	14,42	14,42	14,42	34,70	34,70	34,70	7,34	5,09

Series n = 3	WH Nmm
$\bar{x}$	8428
s	1652
v	19,61

# DIN EN ISO 13934-1 Tensile test on textile fabrics

## Parameter table:

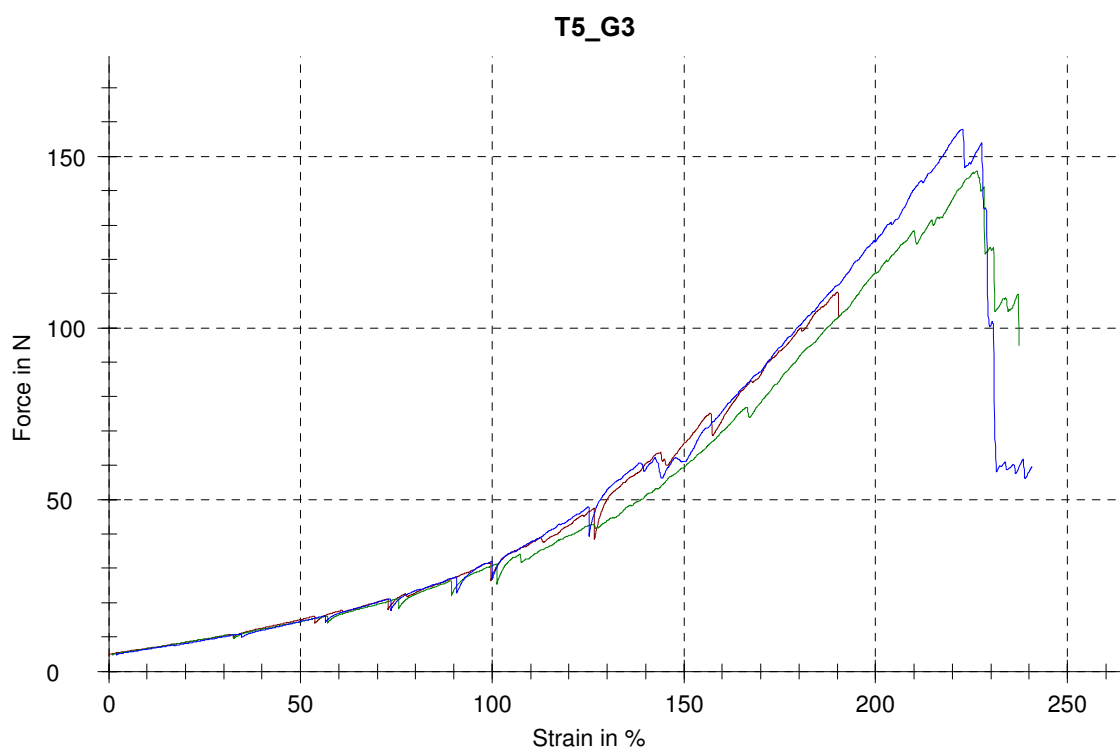
Tester	:	State of the measurement specimen:	
Test standard	:	Test machine	
material	:	Load cell	
Manufacture/Batch	:	Extensometer (path)	
Pre-treatment	:	Specimen holders	
Specimen removal method	:	Remarks	
Grip to grip separation	: 60 mm	Test speed	: 200 mm/min
Pre-load	: 5 N	Area weight of the test specimen	: 190 g/m <sup>2</sup>

## Results:

Nr	b0 Strip specimen mm	L0 mm	FH N	$\sigma_H$ N/cm	RH cN/tex	FB N	$\sigma_B$ N/cm	RB cN/tex	$\epsilon_H$ %	$\epsilon_B$ %
1	50	110,43	110,48	22,10	11048,15	103,01	20,60	10300,69	189,99	190,35
2	50	108,84	145,86	29,17	14586,45	94,89	18,98	9488,86	225,43	236,33
3	50	107,88	157,92	31,58	15792,09	59,61	11,92	5960,59	220,50	238,73

Nr	WH Nmm	Judgement	Findings
1	8214	T4_G3_V1	
2	12402	T4_G3_V2	
3	12753	T4_G3_V3	

## Series graph:





**Statistics:**

Series n = 3	b0 Strip specimen mm	L0 mm	FH N	$\sigma$ H N/cm	RH cN/tex	FB N	$\sigma$ B N/cm	RB cN/tex	$\epsilon$ H %	$\epsilon$ B %
$\bar{x}$	50	109,05	138,09	27,62	13808,90	85,83	17,17	8583,38	211,97	221,81
s	0,000	1,29	24,66	4,93	2465,70	23,07	4,61	2307,39	19,20	27,27
v	0,00	1,18	17,86	17,86	17,86	26,88	26,88	26,88	9,06	12,29

Series n = 3	WH Nmm
$\bar{x}$	11123
s	2525
v	22,70