14573

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centro ricerche-sviluppo
laboratorio prove settore legno-arredo

TEST REPORT

120625 / 1

Date received:	06-09-10
Date of test:	30-09-10
Date of issue:	06-10-10

Sample name: Original "pezzi" - GB 65 STANDARD green - E 68 SA

Inflatables balls: strength to compression - Catas procedure

Nominal diameter: 650 mm

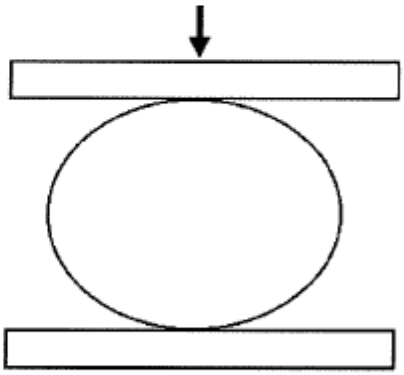
Equipment of test: Dynamometer Instron 5585

Speed of testing: 200 mm/min

Procedure:

The inflatable ball, positioned between two rigid plates, is compressed until:
- 1^ test: 500 mm of displacement
- 2^ test: 40.000 N of load

Test results	1° test	2° test
Load N	**deformation under load mm**	**deformation under load mm**
1.000	195	218
2.000	255	273
3.000	291	302
4.000	316	322
5.000	336	338
6.000	352	350
7.000	366	360
8.000	377	369
9.000	387	376
10.000	396	383
Load (N)	**38.663**	**40.004**
Deformation (mm)	500	472



Note: Load 1^test ~ 3941 kg (not break); Load 2^test ~ 4078 kg (not break)

Strain/load curve included.

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Responsible Operator
Dr. Andrea Giavon

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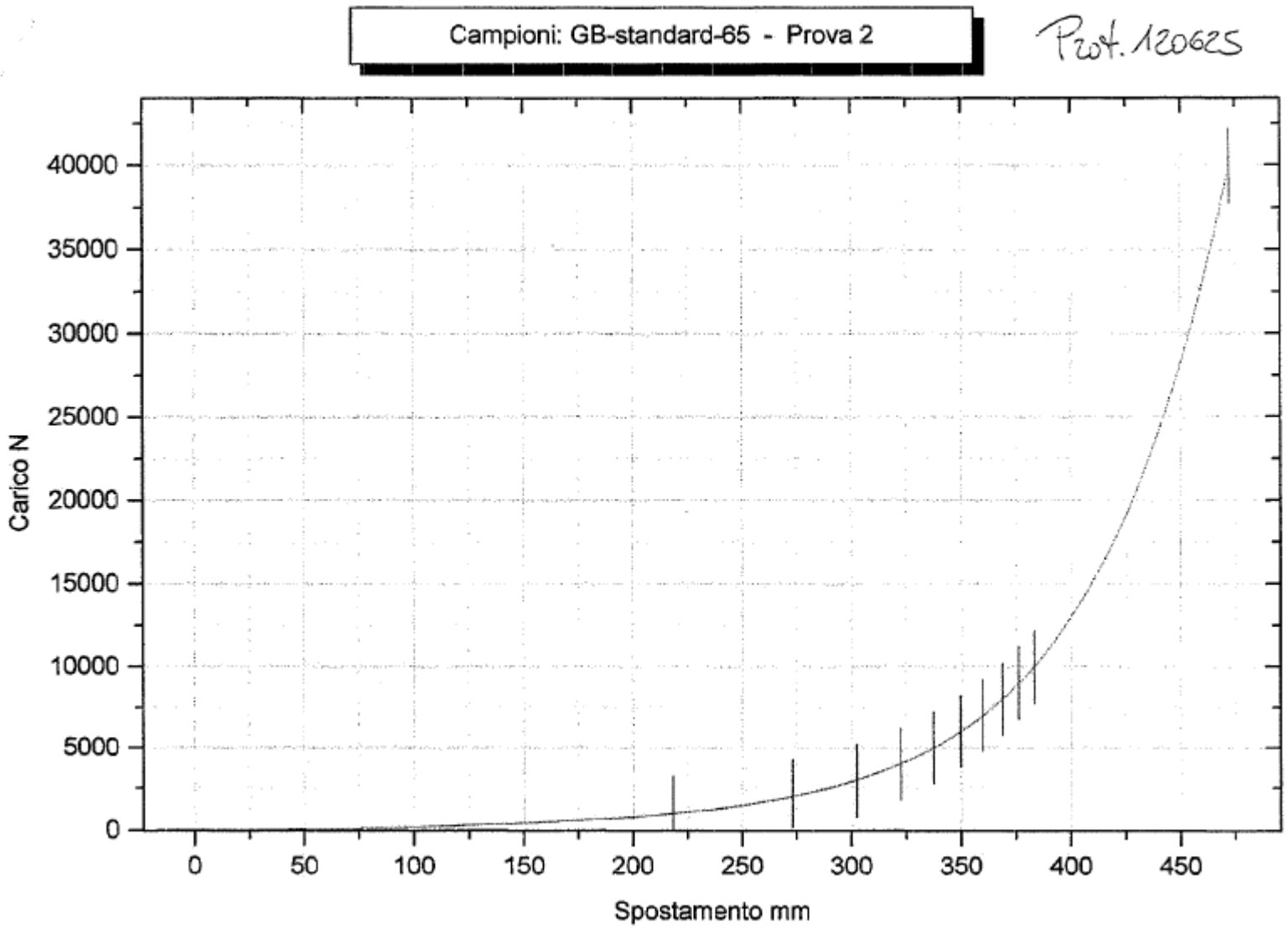
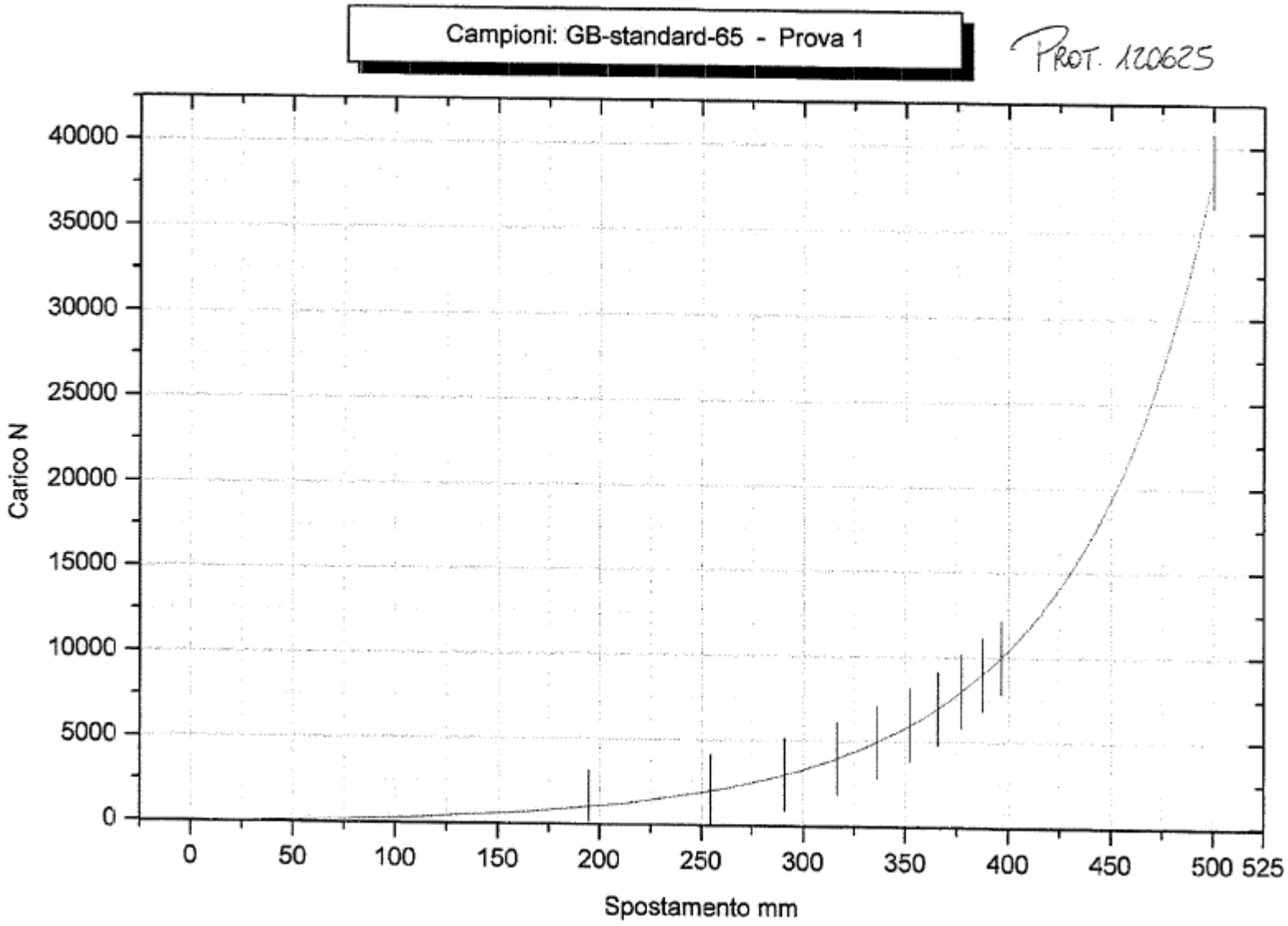

Campioni: GB-standard-65 - Prova 2
Prot. 120625
Carico N
40000
35000
30000
25000
20000
15000
10000
5000
0
0
50
100
150
200
250
300
350
400
450
Spostamento mm


Campioni: GB-standard-65 - Prova 1
PROT. 120625
Carico N
40000
35000
30000
25000
20000
15000
10000
5000
0
0
50
100
150
200
250
300
350
400
450
500
525
Spostamento mm

14571

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centro ricerche-sviluppo
laboratorio prove settore legno-arredo

TEST REPORT

132291 / 1

Date received:	14-09-11
Date of test:	14-09-11
Date of issue:	15-09-11

Sample name: GB 42 Standard

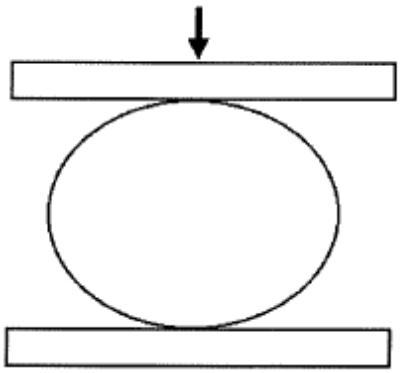
Inflatables balls: strength to compression - Catas procedure

Nominal diameter: 420 mm
Equipment of test: Dynamometer Instron 5585
Speed of testing: 200 mm/min

Procedure:
The inflatable ball, positioned between two rigid plates, is compressed with an increasing load until to 40.000 N.

Test results

Load N	deformation under load mm
1.000	174
2.000	216
3.000	239
4.000	255
5.000	267
6.000	277
7.000	284
8.000	291
9.000	297
10.000	302
Maximum load applied (N)	**40.004**
Deformation at maximum load (mm)	361



Note: Maximum load applied ~ 4.078 kg - (No breakage has been noticed)

Attached: Load-displacement curve.

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Managing Director

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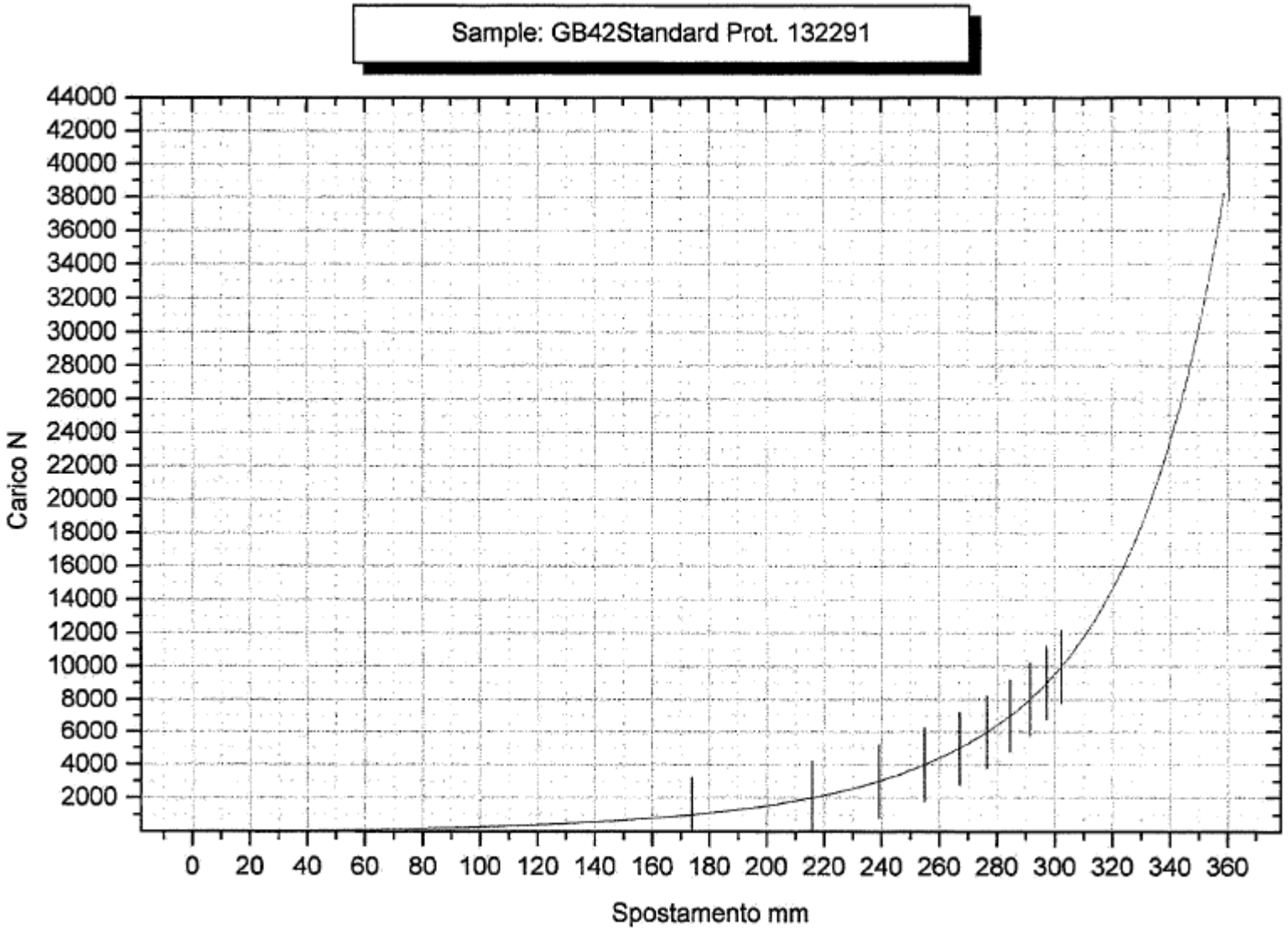
Sample: GB42Standard Prot. 132291
Carico N
44000
42000
40000
38000
36000
34000
32000
30000
28000
26000
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
Spostamento mm

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Date received: 14-09-11

Date of issue: 26-01-12

Report consists of 1 test report.

Defects before testing: Nessuno.

Sample name: GB 53 STANDARD (ARANCIONE)

TEST REPORT N° 136372

Overall dimensions: Ø 53

List performed tests:

1. Vertical durability test - PTP CATAS

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Managing Director
Dr. Andrea Glavon

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settori legno-arredo, ambiente e alimenti

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TEST REPORT

136372 / 1

Date received:	14-09-11
Date of test:	11-10-11
Date of issue:	26-01-12

Sample name: GB 53 STANDARD (ARANCIONE)

Vertical durability test - PTP CATAS

Test procedure:

The ball, positioned between two rigid plates, is compressed with an increasing load, as specified in the table below.

Speed of testing: 200 mm/min

Preload : 500N

Time application of the force : 2 sec.

Test results:

Vertical force N	Number of cycles	Initial height mm	Final height mm	Remarks
3.000	300	530	520	No defects
4.000	300	520	515	No defects

Attached: load-displacement curve.

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Managing Director
dr. [illegible]

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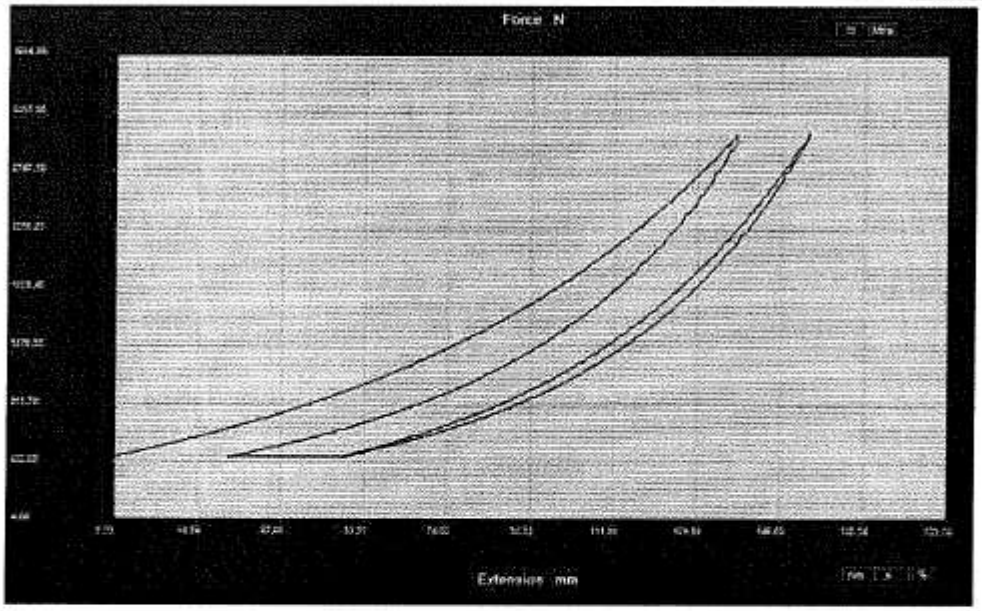
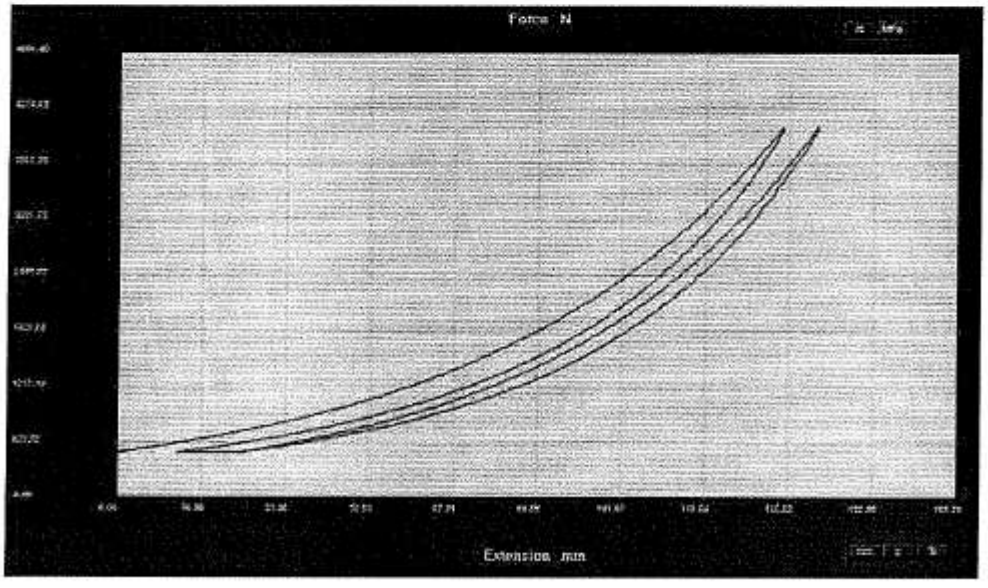
TEST REPORT **136372 / 1**
Date of issue: 26/01/12
Sample name: GB 53 STANDARD (ARANCIONE)





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