



Report 56395 Test Report

Applicant

TÜCHLER Bühnen- & Textiltechnik GmbH
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ÖSTERREICH

Reference

Mr. Jirka

Application

Determination of maximum force and of wrinkle recovery.

Test Material

"Bühnensamt Verdi"

Material used in testing was anonymized for laboratory purposes. A detailed sample list

Issuing and Signatures

Number of pages contained: 4

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Ing. Mag. Christoph Lach
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Contents

1	Order	2
1.1	Chronology	2
1.2	Samples.....	2
2	Findings / Tests performed.....	2
2.1	Description of the specimen	2
2.2	Determination of maximum force and elongation at maximum force -Strip method	3
2.3	Determination of wrinkle recovery of fabrics (appearance method).....	3
3	Remarks	4

1 Order

1.1 Chronology

Date	Received	Order
2007-10-15	2007-10-15	Determination of maximum force and of wrinkle recovery.

1.2 Samples

No.	Received	Sample Identification	Sample Material
1	2007-10-15 ⁽¹⁾	"Bühnensamt Verdi"	textile fabric, approx. 160 cm x 130 cm

(1) Samples provided by the customer. (2) Sample drawn by ÖTI.

2 Findings / Tests performed

2.1 Description of the specimen

Description of the specimen according to DIN 60 000

Test results

Tested sample: 1

Type of fibre according to DIN 60 001 part 1	100 % Cotton (declaration by the applicant)
Technological description	woven fabric



2.2 Determination of maximum force and elongation at maximum force - Strip method

Test conditions

According to EN ISO 13934 Part 1
Condition of specimens: conditioned (dry)
Nominal gauge length: 200 mm
Rate of extension: Warp direction 20 mm/min
Weft direction 100 mm/min
Pre-Tension: 5 N
Width of strips: 50 mm
Number of specimens: 5 length and 5 cross
Number of tests rejected: 0

Test results

Tested sample: 1

Warp direction	Maximum force		Elongation at maximum force	
Mean value	440	N	4,8	%
Coefficient of variation	1,9	%	1,7	%
Confidence interval (P = 95%)	± 15	N	± 2,2	%

Weft direction	Maximum force		Elongation at maximum force	
Mean value	720	N	14,5	%
Coefficient of variation	1,4	%	2,2	%
Confidence interval (P = 95%)	± 15	N	± 3,0	%

2.3 Determination of wrinkle recovery of fabrics (appearance method)

Test Conditions

Standard: AATCC 128-977
Test equipment: AATCC 128-1977 wrinkle tester
Load: 3,5 kg
Loading period: 20 minutes
Number of samples: 3

Test Results


Tested sample: 1

	Wrinkle appearance after 24 hours of recovery
Fabric smoothness rating:	Rating 3

Note: The assessment was made with a 5 grade assessment scale. Rating 1 means a very high grade of wrinkle and rating 5 means a low grade of wrinkle.

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3 Remarks

Sample Material

Results of performed tests only refer to the sample material provided.

Without explicit written other agreement testing is destructive and the sample material is transferred to the property of ÖTI, which is entitled to freely decide on storage and disposal.

Quality management and accreditations

All tests and services are performed under a quality management system according to EN ISO 17025.

ÖTI is accredited by several organisations for various tests offered. It also is a Notified Body with the registration number 0534. The accreditation by the Federal Ministry as testing laboratory was repeated under reference 92.714/0211-I/12/2007 (Individual accredited test procedures are marked with the federal laboratory logo), the accreditation for testing and surveillance of building products was given by the OIB (Österreichisches Institut für Bautechnik). Details and other accreditations are given on request and can be found on www.oeti.at.

Issuance

The valid first issue is done in paper and has single-handed signatures. For reference purposes and filing an unsigned electronic duplicate can be delivered in pdf format. Duplicates and translations will be marked accordingly on the cover sheet.

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End of Report