



Report VN736 122085.1  
Test Report

**Applicant**

TÜCHLER Bühnen- & Textiltechnik GmbH  
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Austria

**Reference**

Mr. Michael Jirka

**Application**

Determination of abrasion resistance according to EN ISO 12947-2.

**Test material**

"Blackout fabric SunSat 2016, black"

Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

**Issuing and Signatures**

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Translation

Authorised for Institute  
Ing. Hannes Vittek

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## 1 Order

### 1.1 Chronology

Date	Received	Order
11.08.2016	11.08.2016	Determination of abrasion resistance according to EN ISO 12947-2.


### 1.2 Samples

Nr.	Received	Sample Identification
1	11.08.2016	"Blackout fabric SunSat 2016, black"

(Unless otherwise stated samples are provided by the customer.)

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## 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 ISO 2076	100 % Polyester FR (declaration by the applicant)
Technological description	woven fabric

### 2.2 Abrasion Test by the Martindale Method - Determination of specimen breakdown

#### Test conditions

According to: EN ISO 12947 part 2

Used abrasion material: Abrasion fabric according to EN ISO 12 947 part 1

Description of the specimen: woven fabric

Underlay: PU-foam

Abrasion load: 595g (corresponds 9 kPa)

Preparation of the specimen: none

#### Test results

Tested sample: 1

	Number of abrasion-turns	
	when breakdown of the specimen is occurred	up to breakdown of the specimen is not occurred
Sample 1	18.000	16.000
Sample 2	20.000	18.000
Sample 3	20.000	18.000
Sample 4	20.000	18.000
<b>Mean value</b>	<b>19.500</b>	<b>17.500</b>

Explanation: The breakdown of a woven fabric is occurred if two individual threads are destroyed.

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### 3 Remarks

#### Validity

There are no regulations concerning duration of validity in the individual test standards. As the results of the examinations refer only to the submitted and examined samples, the report is valid for these for an unlimited period. A period of validity specified as part of an expert evaluation is in the discretion of the consultant or the ÖTI.

The applicability of results and expert evaluations for materials not tested is in the responsibility of the applicant. Whereby an apportionment of results as well as any specified period of validity can only be done for identically constructed products and only as long as the product produced unchanged.

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#### 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.

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All tests and services are performed under a quality management system according to EN ISO/IEC 17025 respectively EN ISO/IEC 17065.

The ÖTI is accredited as Testing Laboratory and Certification Body for products. It also is a Notified Body for several directives with the registration number 0534 (see <http://ec.europa.eu/enterprise/newapproach/nando/>). Accreditation as Testing Laboratory was provided by Akkreditierung Austria (bmwfw). The scope of accreditation is listed on [www.bmwfw.gv.at/akkreditierung](http://www.bmwfw.gv.at/akkreditierung).

In this report test conditions of individual accredited test procedures are marked with ( a ).

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End of report

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