



Report VN735 123709.5 Test Report

Applicant

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Reference

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Application

Determination of abrasion resistance according to EN ISO 5470-2 and according to EN ISO 12947-2.

Test material

"Mammut"

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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1 Order

1.1 Chronology

Date	Received	Order
20.10.2016	21.10.2016	Determination of abrasion resistance according to EN ISO 5470-2 and according to EN ISO 12947-2.

1.2 Samples

Nr.	Received	Sample Identification
1	21.10.2016	"Mammut"

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

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 (declaration by the applicant)
Technological description	coated knitted fabric

2.2 Determination of abrasion resistance of rubber- or plastics-coated fabrics

Test conditions

According to EN ISO 5470 part 2

Method: method 2, dry

Used abrasion material: Silicon carbide, grain P180

Underlay: none

Abrasion load: 795g (corresponds 12 kPa)

Deviation from standard: The evaluation was appropriate according EN 15618 for the respective performance category of the defined number of abrasion-turns. (300 T., 500 T. and 700 T.)

Test results

Tested sample: 1

Number of abrasion-turns	Evaluation of damage of the sample			
	specimen 1	specimen 2	specimen 3	specimen 4
100	2-3	2-3	2-3	2-3
200	2-3	2-3	2-3	2-3
300	3	3	3	3
500	3	3	3	3
700	3	3	3	3

Scale for evaluation of the damage:

0	None	No change of surface.
1	very mild	Change of gloss. No print abrasion (if present). No attack of surface coating.
2	mild	Change of colour. Print (if present) is partly or completely abraded. The surface coating was not attacked or only mild superficial.
3	moderate	The surface coating was attacked.
4	heavy	The surface coating is worn and the interlayer or the foam layer was attacked.
5	completely destroyed	The basic fabric appears.

Evaluation according to EN 15618

Number of abrasion-turns without exposition of the interlayer under the top layer:

≥ 700 turns

2.3 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: coated knitted fabric

Underlay: none

Abrasion load: 795g (corresponds 12 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	> 200000	> 200000
Sample 2	> 200000	> 200000
Sample 3	> 200000	> 200000
Sample 4	> 200000	> 200000
Mean value	> 200000	> 200000

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.

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