EGETAEPPER A/S
Industrivej Nord 25
7400 Herning
Denmark

Your Reference	
Customer Number	40201
Contact Person	Weissenborn Lene
E-Mail	lbm@ege.dk

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Test Report VN720 155327.1

Application

Testing and classification according to EN 1307 as well as castor chair suitability, suitability for use on stairs, resistance to fraying and antistatic behaviour.

Test Material

"Epoca Compact wt"

The test material used for testing was made anonymous for laboratory purposes.
A detailed sample list is included in the document.

Issuing

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OETI - Institute for Ecology, Technology and Innovation GmbH

Ing. Hannes Vittek

Manager Flooring Technology & Interior Design

1 Application

Date of Order	Scope of Order
13.05.2019	Summarized test report - EN 1307 Annex B Description Of Specimen - Textile Floor Coverings - EN 1307 Mass Per Unit Area - ISO 8543 Textile Floor Coverings Thickness Of Textile Floor Coverings - ISO 1765 Dimension Stability And Curling After Exposure To Heat And Water - ISO 2551 / EN 986 Fibrebind - Pilling - EN ISO 12951, Test D (EN 1963, Test D) Basic requirements - EN 1307 - Textile floor covering without pile Mass Loss - Lisson Pedal Wheel Methode - EN ISO 12951, Test A (EN 1963, Test A) General Structural Integrity - EN 985 Methode C Changes in Appearance - Drum Test - ISO 10361 Method A / ISO 9405 Classification - EN 1307 - Textile floor covering without pile Castor Chair Suitability Of Textile Floor Coverings - EN 985 Methode A / ISO 9405 Suitability For Use On Stairs - EN ISO 12951, Test B (EN 1963, Test B) Static Electrical Propensity - Walking Test - ISO 6356 Resistance To Fraying - EN 1814

2 Samples

No.	Receipt	Sample Identification
1	21.05.2019	"Epoca Compact wt"

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

3 Tests Performed / Results

		#1 "Epoca Compact wt"
Summarized test report EN 1307 Annex B		
• Identification, basic information		
Product name		"Epoca Compact wt"
Type of face side		Flat (according to B.2.2: A2)
Manufacturing procedure		Woven (according to B.2.1: M1)
Backing		Textile Backing (according to B.2.4: S10)
Type of floor covering		Floor covering without pile
Colouration		multicolored unpatterned
Dimensions		Rolls
Fibres of pile		100% Polyamide
• Construction		
Total mass	[g/m²]	2'158
Total thickness	[mm]	4.0
• Appearance change		
Vetterman-drum test, short time testing		5.0
Vetterman-drum test, long time testing		4.5
• Classification according EN 1307		
Basic requirements		fulfilled
Abrastion resistance		Class 33
General structual integrity		Class 33
Change in appearance		Class 33
Use class		Class 33
Comfort-Class		LC1
• Additional properties		
Castor chair suitability		suitable for intensive use
Stair suitability		suitable for intensive use
Fraying resistance		resistant to fraying
Body-Voltage, walking test	[kV]	-0.9
Judgement according to EN 14041		antistatic

		#1 "Epoca Compact wt"
Description Of Specimen - Textile Floor Coverings EN 1307		
• Manufacturing procedure		Woven
• Structure of face side		Flat
• Coloration of face side		Multicolored unpatterned
• Type of backing		Textile backing
• Type of fibres at face side		100% Polyamide
• Dimensions		Rolls
• Description according to standard		Floor covering without pile
Mass Per Unit Area ISO 8543 Textile Floor Coverings		
• Number of specimen		4
• Conditioning		
Temperature	[°C]	20
Air humidity	[%]	65
• Total mass		
Mean value	[g/m²]	2'158
Coefficient of variation	[%]	2.0
Confidence intervall (95%) abs. width	[g/m²]	70
Thickness Of Textile Floor Coverings ISO 1765		
• Number of specimen		4
• Conditioning		
Temperature	[°C]	20
Air humidity	[%]	65
• Thickness		
Mean value	[mm]	4.0
Coefficient of variation	[%]	0.6
Confidence intervall (95%) abs. width	[mm]	0.1

		#1 "Epoca Compact wt"
Dimension Stability And Curling After Exposure To Heat And Water ISO 2551 / EN 986		
• Number of specimen		3
• Deviation from standard		none
• 1. Treatment - 2 hours storage (drying) at 60°C		
1. Measurement length direction	[%]	- 0,4
2. Measurement length direction	[%]	- 0,3
3. Measurement length direction	[%]	- 0,3
Mean value length direction	[%]	- 0,3
1. Measurement cross direction	[%]	- 0,3
2. Measurement cross direction	[%]	- 0,3
3. Measurement cross direction	[%]	- 0,3
Mean value cross direction	[%]	- 0,3
• 2. Treatment - 2 hours storage in water at 20°C		
1. Measurement length direction	[%]	+ 0,1
2. Measurement length direction	[%]	+ 0,1
3. Measurement length direction	[%]	+ 0,1
Mean value length direction	[%]	+ 0,1
1. Measurement cross direction	[%]	± 0,0
2. Measurement cross direction	[%]	± 0,0
3. Measurement cross direction	[%]	± 0,0
Mean value cross direction	[%]	± 0,0
• 3. Treatment - 24 hours storage (drying) at 60°C		
1. Measurement length direction	[%]	- 0.3
2. Measurement length direction	[%]	- 0,7
3. Measurement length direction	[%]	- 0,8
Mean value length direction	[%]	- 0,6
1. Measurement cross direction	[%]	- 0,4
2. Measurement cross direction	[%]	- 0,3
3. Measurement cross direction	[%]	- 0,4
Mean value cross direction	[%]	- 0,4
• 4. Treatment - 48 hours storage at standard atmosphere		
1. Measurement length direction	[%]	- 0,3
2. Measurement length direction	[%]	- 0,5
3. Measurement length direction	[%]	- 0,5
Mean value length direction	[%]	- 0,5
1. Measurement cross direction	[%]	- 0,1
2. Measurement cross direction	[%]	- 0,2
3. Measurement cross direction	[%]	- 0,2
Mean value cross direction	[%]	- 0,1
• Vertical distortion out of plane	[mm]	4

		#1 "Epoca Compact wt"
Fibrebind - Pilling EN ISO 12951, Test D (EN 1963, Test D)		
• Number of specimen		4
• Duration	[cycles]	200
• Median	[grade]	4.5
Basic requirements EN 1307 - Textile floor covering without pile		
• Dimensional change - ISO 2551	[%]	- 0,6
• Hairiness / Pilling - EN 1963 Methode D	[grade]	4.5
• Basic requirements		fulfilled
Mass Loss - Lisson Pedal Wheel Methode EN ISO 12951, Test A (EN 1963, Test A)		
• Number of specimen		4
• Mass loss per unit area		no mass loss
• Relative mass loss		no mass loss
General Structural Integrity EN 985 Methode C		
• Number of specimen		1
• Specimen fixation		Double sided adhesive tape
• Castors		single swivel castor Type H
• Damages by treatment		
• - After 10 000 cycles		none
• - After 25 000 cycles		none

		#1 "Epoca Compact wt"
Changes in Appearance - Drum Test ISO 10361 Method A / ISO 9405		
• Used scale		ISO -A
• Appearance change 5'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	5.0
Assessor 2	[grade]	5.0
Assessor 3	[grade]	5.0
Median	[grade]	5.0
Mean value	[grade]	5.0
• Index of colour change 5'000 cycles		
Assessor 1	[grade]	5
Assessor 2	[grade]	5
Assessor 3	[grade]	5
Median	[grade]	5
• Appearance change 20'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	4.5
Assessor 2	[grade]	4.5
Assessor 3	[grade]	4.5
Median	[grade]	4.5
Mean value	[grade]	4.5
• Index of colour change 20'000 cycles		
Assessor 1	[grade]	4-5
Assessor 2	[grade]	4-5
Assessor 3	[grade]	4-5
Median	[grade]	4-5
• Damages by treatment		none

		#1 "Epoca Compact wt"
Classification EN 1307 - Textile floor covering without pile		
• Abrasion resistance		no mass loss
• General strucutal integrity - 10 000 turns		no damage
• General strucutal integrity - 25 000 turns		no damage
• Appearance change - short time test	[grade]	5.0
• Appearance change - long time test	[grade]	4.5
• Level of use classification		Class 33
• Comfort-Class		LC1
Castor Chair Suitability Of Textile Floor Coverings EN 985 Methode A / ISO 9405		
• Castors		single swivel castor Type H
• Specimen fixation		double sided adhesive tape
• Used scale		ISO - A
• Appearance change 5'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	4.5
Assessor 2	[grade]	4.5
Assessor 3	[grade]	4.5
Median	[grade]	4.5
Mean value	[grade]	4.5
• Index of colour change 5'000 cycles		
Assessor 1	[grade]	4-5
Assessor 2	[grade]	4-5
Assessor 3	[grade]	4-5
Median	[grade]	4-5
• Appearance change 25'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	4.5
Assessor 2	[grade]	4.5
Assessor 3	[grade]	4.0
Median	[grade]	4.5
Mean value	[grade]	4.3
• Index of colour change 25'000 cycles		
Assessor 1	[grade]	4
Assessor 2	[grade]	4
Assessor 3	[grade]	4
Median	[grade]	4
• Damages by treatment		none
• Castor chair index		4.5
• Castor chair suitability		suitable for intensive use

		#1 "Epoca Compact wt"
Suitability For Use On Stairs EN ISO 12951, Test B (EN 1963, Test B)		
• Number of specimen		4
• Median of appearance change in the edge area	[grade]	low
• Assessment		suitable for intensive use
Static Electrical Propensity - Walking Test ISO 6356		
• Number of specimen		1
• Testing climate		
Temperature	[°C]	23
Air humidity	[%]	25
• Underlay		rubber on metal
• Sole-material		XS-664P Neolite
• Pretreatment		none
• Body-Voltage supplied condition		
1. Measurement	[kV]	-1.1
2. Measurement	[kV]	-0.8
3. Measurement	[kV]	-0.8
Mean value	[kV]	-0.9
• Judgement according to EN 14041		antistatic
Resistance To Fraying EN 1814		
• Number of specimen		4
• Kind of test sample		sheet material
• Description of cut edge after treatment		
• Delamination		not occured
• Fraying		not occured
• Tuft loss / sprouting		not occured
• Thread puller		not occured
• Release of fibers from the pile material		low to moderate
• Assessment		resistant to fraying

4 Remarks

Period of 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 OETI. 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 is produced unchanged. Possible national or international restrictions concerning the terms of usability of test and classification reports have to be considered; this is not the responsibility of the test laboratory.

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 OETI, which is entitled to freely decide on storage and disposal.

Issuing

The valid first issue is done in paper and has single-handed signatures. Translations will be marked accordingly on the cover sheet.

Quality Management, Accreditation And Notification

All tests and services are performed under a quality management system according to EN ISO/IEC 17025 respectively EN ISO/IEC 17065. OETI is accredited as Testing Laboratory and Certification Body for products. It also is a Notified Body (NB0534). (see http://ec.europa.eu/enterprise/newapproach/nando/). Accreditation was provided by Akkreditierung Austria. The scope of accreditation is listed on www.oeti.biz. Due to the system for the mutual recognition of national accreditations (ILAC/IAF), this accreditation is valid worldwide.

In this report individual non-accredited test procedures are marked with *. Nevertheless, the analysis was also carried out for these parameters at the same level of quality as for the accredited parameters.

According to the decree on the use of the accreditation mark (“AkkZV”) the accredited Conformity Assessment Body is the only one to use the accreditation mark. Application of the registration number of the Notified Body: As to personal protective equipment (PPE) the requirements of Regulation (EU) 2016/425 have to be kept. With construction products the application is only permitted within the declaration of performance for CE-marking.

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