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Vienna / 25.11.2022 / guse

Test Report VN720 204232.1-2

Application

Testing and classification according to EN 1307 as well as castor chair suitability, resistance to fraying and static electrical propensity.

Test Material

"Eco Profile wt"

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

Issuing

Original Issuing, 25.11.2022
Number Of Included Pages: 10

OETI - Institut fuer Oekologie, Technik und Innovation GmbH

A handwritten signature in blue ink, appearing to read "Günther Sereinig".

Günther Sereinig

Customer Service Officer



1 Application

Date of Order	Scope of Order
24.05.2022	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 Fibrebind - Pilling - EN ISO 12951, Test D (EN 1963, Test D) Dimension Stability And Curling After Exposure To Heat And Water - ISO 2551 / EN 986 Basic requirements for textile floor coverings, EN 1307 ^k Mass Loss - Lisson Pedal Wheel Methode - EN ISO 12951, Test A (EN 1963, Test A) General Structural Integrity - EN 985 Method C Changes in Appearance - Drum Test - ISO 10361 Method A / EN ISO 9405 Classification of textile floor coverings, EN 1307 ^k Resistance To Fraying - EN ISO 10833 Castor Chair Suitability Of Textile Floor Coverings - EN 985 Method A / ISO 9405 Suitability For Use On Stairs - EN ISO 12951, Test B (EN 1963, Test A+B) Static Electrical Propensity - Walking Test - ISO 6356

K...Comment on revision see chapter Remarks/Quality Management

2 Samples

No.	Receipt	Sample Identification
1	30.05.2022	"Eco Profile wt"

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

3 Tests Performed / Results

#1 "Eco Profile wt"

Summarized test report EN 1307 Annex B *		
• Identification, basic information		
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		textile floor covering without pile
Base		none
Colouration		multicoloured unpatterned (according to B.2.5: C3)
Dimensions		rolls
Fibers of pile		100% Polyamide (according to the applicant)
• Construction		
Total mass	[g/m ²]	2042
Total thickness	[mm]	3,7
• Appearance change		
Vettermann-drum test, short time testing		4,5
Vettermann-drum test, long time testing		4,5
• Classification according EN 1307		
Basic requirements		fulfilled
Change in appearance		33
Use class		33
Luxury-Class		LC 1
• Additional properties		
Castor chair suitability		suitable for intensive use
Stair suitability		suitable for commercial use
Fraying resistance		Resistant to frying
Body-Voltage, walking test	[kV]	-2.0
Assessment according to EN 14041:2007		antistatic
Dimensional stability (max. change)	[%]	-0.2

#1 "Eco Profile wt"

<p>Description Of Specimen - Textile Floor Coverings EN 1307 *</p> <ul style="list-style-type: none"> • Manufacturing procedure • Structure of face side • Primary backing • Colouration of the surface • Type of backing • Type of fibres at face side • Dimensions • Description according to standard 	<p>woven flat none multicoloured unpatterned knitted backing 100% Polyamide (according to the applicant) rolls textile floor covering without pile according to EN 1307</p>
<p>Mass Per Unit Area ISO 8543 Textile Floor Coverings</p> <ul style="list-style-type: none"> • Number of specimen • Conditioning <ul style="list-style-type: none"> Temperature [°C] Air humidity [%] • Total mass <ul style="list-style-type: none"> Mean value [g/m²] Coefficient of variation [%] Confidence interval (95%) abs. width [g/m²] • Measurement uncertainty [%] 	<p>4 20 65 2042 1.9 62 0.15</p>
<p>Thickness Of Textile Floor Coverings ISO 1765</p> <ul style="list-style-type: none"> • Number of specimen • Conditioning <ul style="list-style-type: none"> Temperature [°C] Air humidity [%] • Thickness <ul style="list-style-type: none"> Mean value [mm] Coefficient of variation [%] Confidence interval (95%) abs. width [mm] • Measurement uncertainty [%] 	<p>4 20 65 3.7 1.7 0 0.74</p>
<p>Fibrebind - Pilling EN ISO 12951, Test D (EN 1963, Test D)</p> <ul style="list-style-type: none"> • Number of specimen • Duration [double cycles] • Median [grade] 	<p>4 200 4</p>

Dimension Stability And Curling After Exposure To Heat And Water		
ISO 2551 / EN 986		
Number of Tests		2
• Number of specimen		3
• Deviation from standard		None
• 1. Treatment - 2 hours storage (drying) at 60°C		
1. Measurement length direction	[%]	- 0,2
2. Measurement length direction	[%]	- 0,1
3. Measurement length direction	[%]	- 0,1
Mean value length direction	[%]	- 0,1
1. Measurement cross direction	[%]	- 0,1
2. Measurement cross direction	[%]	- 0,1
3. Measurement cross direction	[%]	- 0,1
Mean value cross direction	[%]	- 0,1
• 2. Treatment - 2 hours storage in water at 20°C		
1. Measurement length direction	[%]	± 0,0
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	[%]	- 0,2
2. Measurement length direction	[%]	- 0,1
3. Measurement length direction	[%]	- 0,2
Mean value length direction	[%]	- 0,2
1. Measurement cross direction	[%]	- 0,2
2. Measurement cross direction	[%]	- 0,2
3. Measurement cross direction	[%]	- 0,2
Mean value cross direction	[%]	- 0,2
• 4. Treatment - 48 hours storage at standard atmosphere		
1. Measurement length direction	[%]	- 0,2
2. Measurement length direction	[%]	- 0,1
3. Measurement length direction	[%]	- 0,2
Mean value length direction	[%]	- 0,2
1. Measurement cross direction	[%]	- 0,2
2. Measurement cross direction	[%]	- 0,2
3. Measurement cross direction	[%]	- 0,2
Mean value cross direction	[%]	- 0,2
• Vertical distortion out of plane	[mm]	0
• Description of the final appearance		no change of shape
• Measurement uncertainty	[%]	14.94

#1 "Eco Profile wt"

<p>Basic requirements textile floor coverings, EN 1307 ^K</p> <p>Number of Tests</p> <ul style="list-style-type: none"> • Dimensional change - ISO 2551 - shrinkage [%] • Dimensional change - ISO 2551 - lengthening [%] • Hairiness / Pilling - EN 1963 Method D [grade] • Basic requirements 	<p style="text-align: center;">2 - 0,2 + 0,1 4 fulfills the requirements</p>
<p>Mass Loss - Lisson Pedal Wheel Methode EN ISO 12951, Test A (EN 1963, Test A)</p> <ul style="list-style-type: none"> • Number of specimen • Mass loss per unit area <ul style="list-style-type: none"> Mean value [g/m²] Coefficient of variation [%] Confidence interval (95%) abs. width [g/m²] • Measurement uncertainty [%] 	<p style="text-align: center;">4 6 58.3 6 1.33</p>
<p>General Structural Integrity EN 985 Method C</p> <ul style="list-style-type: none"> • Number of specimen • Specimen fixation • Castors • Damages by treatment <ul style="list-style-type: none"> - After 10 000 cycles - After 25 000 cycles 	<p style="text-align: center;">1 Double sided adhesive tape Single swivel castor Type H No Destruction ^K -- --</p>

K...Comment on revision see chapter Remarks/Quality Management

<p>Changes in Appearance - Drum Test ISO 10361 Method A / EN ISO 9405</p> <ul style="list-style-type: none"> • Used scale • Appearance change 5'000 cycles (if dominant: attribute) <table border="0" style="width: 100%; margin-left: 20px;"> <tr><td>Assessor 1</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Assessor 2</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Assessor 3</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Median</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Mean value</td><td>[grade]</td><td>4.5</td></tr> </table> • Index of colour change 5'000 cycles <table border="0" style="width: 100%; margin-left: 20px;"> <tr><td>Assessor 1</td><td>[grade]</td><td>4</td></tr> <tr><td>Assessor 2</td><td>[grade]</td><td>4</td></tr> <tr><td>Assessor 3</td><td>[grade]</td><td>4</td></tr> <tr><td>Median</td><td>[grade]</td><td>4</td></tr> </table> • Appearance change 20'000 cycles (if dominant: attribute) <table border="0" style="width: 100%; margin-left: 20px;"> <tr><td>Assessor 1</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Assessor 2</td><td>[grade]</td><td>4.0</td></tr> <tr><td>Assessor 3</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Median</td><td>[grade]</td><td>4.5</td></tr> <tr><td>Mean value</td><td>[grade]</td><td>4.5</td></tr> </table> • Index of colour change 20'000 cycles <table border="0" style="width: 100%; margin-left: 20px;"> <tr><td>Assessor 1</td><td>[grade]</td><td>4 - 5</td></tr> <tr><td>Assessor 2</td><td>[grade]</td><td>4 - 5</td></tr> <tr><td>Assessor 3</td><td>[grade]</td><td>4 - 5</td></tr> <tr><td>Median</td><td>[grade]</td><td>4 - 5</td></tr> </table> • Damages by treatment 	Assessor 1	[grade]	4.5	Assessor 2	[grade]	4.5	Assessor 3	[grade]	4.5	Median	[grade]	4.5	Mean value	[grade]	4.5	Assessor 1	[grade]	4	Assessor 2	[grade]	4	Assessor 3	[grade]	4	Median	[grade]	4	Assessor 1	[grade]	4.5	Assessor 2	[grade]	4.0	Assessor 3	[grade]	4.5	Median	[grade]	4.5	Mean value	[grade]	4.5	Assessor 1	[grade]	4 - 5	Assessor 2	[grade]	4 - 5	Assessor 3	[grade]	4 - 5	Median	[grade]	4 - 5	<p>ISO - A</p>
Assessor 1	[grade]	4.5																																																					
Assessor 2	[grade]	4.5																																																					
Assessor 3	[grade]	4.5																																																					
Median	[grade]	4.5																																																					
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Assessor 2	[grade]	4 - 5																																																					
Assessor 3	[grade]	4 - 5																																																					
Median	[grade]	4 - 5																																																					
<p>Classification textile floor coverings, EN 1307 * κ</p> <ul style="list-style-type: none"> • Abrasion resistance • General structural integrity - 10 000 turns • General structural integrity - 25 000 turns • Appearance change - short time test [grade] • Appearance change - long time test [grade] • Level of use classification • Luxury-Class 	<p>33</p> <p>No Destruction</p> <p>No Destruction</p> <p>4.5</p> <p>4.5</p> <p>Class 33</p> <p>LC 1</p>																																																						

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<p>Resistance To Fraying EN ISO 10833</p> <ul style="list-style-type: none"> • Number of specimen • Kind of test sample • Unacceptable changes <ul style="list-style-type: none"> Specimen 1 Specimen 2 Specimen 3 Specimen 4 • Note • Assessment 	<p style="text-align: center;">4</p> <p style="text-align: center;">sheets material</p> <p style="text-align: center;">no change</p> <p style="text-align: center;">no change</p> <p style="text-align: center;">no change</p> <p style="text-align: center;">no change</p> <p style="text-align: center;">--</p> <p style="text-align: center;">resistant to fraying</p>
<p>Castor Chair Suitability Of Textile Floor Coverings EN 985 Method A / ISO 9405</p> <ul style="list-style-type: none"> • Castors • Specimen fixation • Used scale • Appearance change 5'000 cycles (if dominant: attribute) <ul style="list-style-type: none"> Assessor 1 [grade] 4,5 (colour) Assessor 2 [grade] 4,5 (colour) Assessor 3 [grade] 4,5 (colour) Median [grade] 4,5 (colour) Mean value [grade] 4,5 (colour) • Index of colour change 5'000 cycles <ul style="list-style-type: none"> Assessor 1 [grade] 3 Assessor 2 [grade] 3 Assessor 3 [grade] 3 Median [grade] 3 • Appearance change 25'000 cycles (if dominant: attribute) <ul style="list-style-type: none"> Assessor 1 [grade] 4,0 (colour) Assessor 2 [grade] 4,0 (colour) Assessor 3 [grade] 4,0 (colour) Median [grade] 4,0 (colour) Mean value [grade] 4,0 (colour) • Index of colour change 25'000 cycles <ul style="list-style-type: none"> Assessor 1 [grade] 2-3 Assessor 2 [grade] 2-3 Assessor 3 [grade] 2-3 Median [grade] 2-3 • Damages by treatment • Castor chair index • Castor chair suitability 	<p style="text-align: center;">Single swivel castor Type H</p> <p style="text-align: center;">Double sided adhesive tape</p> <p style="text-align: center;">ISO-A</p> <p style="text-align: center;">4,5 (colour)</p> <p style="text-align: center;">4,5 (colour)</p> <p style="text-align: center;">4,5 (colour)</p> <p style="text-align: center;">4,5 (colour)</p> <p style="text-align: center;">4,5 (colour)</p> <p style="text-align: center;">3</p> <p style="text-align: center;">3</p> <p style="text-align: center;">3</p> <p style="text-align: center;">3</p> <p style="text-align: center;">4,0 (colour)</p> <p style="text-align: center;">4,0 (colour)</p> <p style="text-align: center;">4,0 (colour)</p> <p style="text-align: center;">4,0 (colour)</p> <p style="text-align: center;">4,0 (colour)</p> <p style="text-align: center;">2-3</p> <p style="text-align: center;">2-3</p> <p style="text-align: center;">2-3</p> <p style="text-align: center;">2-3</p> <p style="text-align: center;">--</p> <p style="text-align: center;">4.40</p> <p style="text-align: center;">Suitable for intensive use</p>
<p>Suitability For Use On Stairs EN ISO 12951, Test B (EN 1963, Test A+B) *</p> <ul style="list-style-type: none"> • Number of specimen • Median of appearance change in the edge area [grade] • Assessment 	<p style="text-align: center;">4</p> <p style="text-align: center;">low</p> <p style="text-align: center;">Suitable for commercial use</p>

Static Electrical Propensity - Walking Test ISO 6356		
• Testing climate		
Temperature	[°C]	23
Air humidity	[%]	25
• Underlay		insulating rubber mat
• Sole-material		XS-664P Neolite
• Pretreatment		none
• Body-Voltage supplied condition		
1. Measurement	[kV]	- 2,2
2. Measurement	[kV]	- 1,9
3. Measurement	[kV]	- 1,8
Mean value	[kV]	- 2,0
• Assessment according to EN 14041:2007		antistatic

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.

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This test report is only issued as a PDF. Translations will be marked accordingly on the cover sheet.

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End of Report