



Ege Carpets A/S  
Industrivej Nord 25  
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Denmark

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## Test Report VN720 137248.2

### Application

Classification according to EN 1307 as well as castor chair suitability, suitability for use on stairs, resistance to fraying, static electrical propensity.

### Test Material

"Ege tuft 650 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, 22.02.2022  
Number Of Included Pages: 9

**OETI - Institute for Ecology, Technology and Innovation GmbH**

**Atena Adineh**

Customer Service Officer





## 1 Application

Date of Order	Scope of Order
14.10.2021	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 Thickness Wear Layer Of Textile Floor Coverings - ISO 1766 Pile Density - ISO 8543 Number Of Tufts Or Loops - ISO 1763 Fibrebind - EN ISO 12951, Test C (EN 1963, Test C) Basic requirements - EN 1307 - Textile floor covering with loop pile Changes in Appearance - Drum Test - ISO 10361 Method A / EN ISO 9405 Classification - EN 1307 - Textile floor covering with pile 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 B) Static Electrical Propensity - Walking Test - ISO 6356

## 2 Samples

No.	Receipt	Sample Identification
1	18.10.2021	"ege tuft 650 wt"

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

### 3 Tests Performed / Results

		#1 "ege tuft 650 wt"
<b>Summarized test report</b>		
EN 1307 Annex B		
• Identification, basic information		
Type of face side		Loop Pile (according to B.2.2: A4)
Manufacturing procedure		Tufted (according to B.2.1: M5)
Backing		Textile Backing non-woven (according to B.2.4: S10)
Type of floor covering		Pile Carpet
Base		Non-woven (according to B.2.3: P3)
Colouration		Multicolored unpatterned (according to B.2.5: C3)
Dimensions		Rolls
Fibers of pile		100% Polyamide
• Construction		
Total mass	[g/m <sup>2</sup> ]	2.552
Pile mass above the substrate	[g/m <sup>2</sup> ]	428
Total thickness	[mm]	6.2
Thickness of pile layer	[mm]	3.3
Surface pile density	[g/cm <sup>3</sup> ]	0.130
Number of tufts or loops per dm <sup>2</sup>		1.895
• Appearance change		
Vettermann-drum test, short time testing		4.5
Vettermann-drum test, long time testing		4.0
• Classification according EN 1307		
Basic requirements		fulfilled
Change in appearance		
Use class		Class 33
Luxury-Class		Class 33
• 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]	-0.3
Assessment according to EN 14041:2007		antistatic

<p><b>Description Of Specimen - Textile Floor Coverings</b> EN 1307</p> <ul style="list-style-type: none"> <li>• Manufacturing procedure</li> <li>• Structure of face side</li> <li>• Primary backing</li> <li>• Colouration of the surface</li> <li>• Type of backing</li> <li>• Type of fibres at face side</li> <li>• Dimensions</li> <li>• Description according to standard</li> </ul>	<p>Tufted</p> <p>Loop pile</p> <p>Non-woven</p> <p>Multicolored unpatterned</p> <p>Textile Backing</p> <p>100% Polyamide</p> <p>Rolls</p> <p>Pile carpet according to EN 1307</p>
<p><b>Mass Per Unit Area</b> ISO 8543 Textile Floor Coverings</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Conditioning               <ul style="list-style-type: none"> <li>Temperature [°C]</li> <li>Air humidity [%]</li> </ul> </li> <li>• Total mass               <ul style="list-style-type: none"> <li>Mean value [g/m<sup>2</sup>]</li> <li>Coefficient of variation [%]</li> <li>Confidence interval (95%) abs. width [g/m<sup>2</sup>]</li> </ul> </li> </ul>	<p>4</p> <p>20</p> <p>65</p> <p>2.552</p> <p>1.3</p> <p>54</p>
<p><b>Thickness Of Textile Floor Coverings</b> ISO 1765</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Conditioning               <ul style="list-style-type: none"> <li>Temperature [°C]</li> <li>Air humidity [%]</li> </ul> </li> <li>• Thickness               <ul style="list-style-type: none"> <li>Mean value [mm]</li> <li>Coefficient of variation [%]</li> <li>Confidence interval (95%) abs. width [mm]</li> </ul> </li> </ul>	<p>4</p> <p>20</p> <p>65</p> <p>6.2</p> <p>2.0</p> <p>0.2</p>
<p><b>Thickness Wear Layer Of Textile Floor Coverings</b> ISO 1766</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Conditioning               <ul style="list-style-type: none"> <li>Temperature [°C]</li> <li>Air humidity [%]</li> </ul> </li> <li>• Thickness of wear layer               <ul style="list-style-type: none"> <li>Mean value [mm]</li> <li>Coefficient of variation [%]</li> <li>Confidence interval (95%) abs. width [mm]</li> </ul> </li> </ul>	<p>4</p> <p>20</p> <p>65</p> <p>3.3</p> <p>2.1</p> <p>0.2</p>

#1 "ege tuft 650 wt"

<p><b>Pile Density</b> ISO 8543</p> <ul style="list-style-type: none"> <li>• Pile material</li> <li>• Density of pile material [g/cm<sup>3</sup>]</li> <li>• Mass of pile per unit area [g/m<sup>2</sup>]</li> <li>• Thickness of pile layer [mm]</li> <li>• Surface pile density [g/cm<sup>2</sup>]</li> <li>• Relative surface pile density [%]</li> </ul>	<p>100% Polyamide</p> <p>1.14</p> <p>428</p> <p>3.3</p> <p>0.130</p> <p>11.4</p>
<p><b>Number Of Tufts Or Loops</b> ISO 1763</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Number of tufts or loops / 10 cm               <ul style="list-style-type: none"> <li>Longitudinal direction</li> <li>Cross direction</li> </ul> </li> <li>• Number of tufts or loops per dm<sup>2</sup></li> <li>• Number of tufts or loops per m<sup>2</sup></li> </ul>	<p>4</p> <p>39.4</p> <p>48.1</p> <p>1895</p> <p>189500</p>
<p><b>Fibrebind</b> EN ISO 12951, Test C (EN 1963, Test C)</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Duration [double cycles]</li> <li>• Appearance change compared to photostandard</li> </ul>	<p>4</p> <p>400</p> <p>Better</p>
<p><b>Basic requirements</b> EN 1307 - Textile floor covering with loop pile</p> <ul style="list-style-type: none"> <li>• Fibre bind - Loop pile - EN 1963 Methode C</li> <li>• Basic requirements</li> </ul>	<p>better than photographs fulfilled</p>

<b>Changes in Appearance - Drum Test</b> ISO 10361 Method A / EN ISO 9405		
• 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]	5.0
Assessor 2	[grade]	5.0
Assessor 3	[grade]	5.0
Median	[grade]	5.0
• Appearance change 20'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	4.0
Assessor 2	[grade]	4.0
Assessor 3	[grade]	4.0
Median	[grade]	4.0
Mean value	[grade]	4.0
• 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
<b>Classification</b> EN 1307 - Textile floor covering with pile		
• Appearance change - short time test	[grade]	4.5
• Appearance change - long time test	[grade]	4.0
• Level of use classification		Class 33
• Luxury-Class		LC 2

<p><b>Resistance To Fraying</b> EN ISO 10833</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Kind of test sample</li> <li>• Unacceptable changes <ul style="list-style-type: none"> <li>Specimen 1</li> <li>Specimen 2</li> <li>Specimen 3</li> <li>Specimen 4</li> </ul> </li> <li>• Assessment</li> </ul>	<p style="text-align: center;">4</p> <p style="text-align: center;">Rolls</p> <p style="text-align: center;">extracted loops</p> <p style="text-align: center;">--</p> <p style="text-align: center;">--</p> <p style="text-align: center;">--</p> <p style="text-align: center;">resistant to fraying</p>
<p><b>Castor Chair Suitability Of Textile Floor Coverings</b> EN 985 Method A / ISO 9405</p> <ul style="list-style-type: none"> <li>• Castors</li> <li>• Specimen fixation</li> <li>• Used scale</li> <li>• Appearance change 5'000 cycles (if dominant: attribute) <ul style="list-style-type: none"> <li>Assessor 1 [grade]</li> <li>Assessor 2 [grade]</li> <li>Assessor 3 [grade]</li> <li>Median [grade]</li> <li>Mean value [grade]</li> </ul> </li> <li>• Index of colour change 5'000 cycles <ul style="list-style-type: none"> <li>Assessor 1 [grade]</li> <li>Assessor 2 [grade]</li> <li>Assessor 3 [grade]</li> <li>Median [grade]</li> </ul> </li> <li>• Appearance change 25'000 cycles (if dominant: attribute) <ul style="list-style-type: none"> <li>Assessor 1 [grade]</li> <li>Assessor 2 [grade]</li> <li>Assessor 3 [grade]</li> <li>Median [grade]</li> <li>Mean value [grade]</li> </ul> </li> <li>• Index of colour change 25'000 cycles <ul style="list-style-type: none"> <li>Assessor 1 [grade]</li> <li>Assessor 2 [grade]</li> <li>Assessor 3 [grade]</li> <li>Median [grade]</li> </ul> </li> <li>• Damages by treatment</li> <li>• Castor chair index</li> <li>• Castor chair suitability</li> </ul>	<p style="text-align: center;">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;">4.0</p> <p style="text-align: center;">3.5</p> <p style="text-align: center;">4.0</p> <p style="text-align: center;">4.0</p> <p style="text-align: center;">4.0</p> <p style="text-align: center;">4</p> <p style="text-align: center;">4</p> <p style="text-align: center;">4-5</p> <p style="text-align: center;">4</p> <p style="text-align: center;">3.0</p> <p style="text-align: center;">3.0</p> <p style="text-align: center;">3.0</p> <p style="text-align: center;">3.0</p> <p style="text-align: center;">3.0</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;">none</p> <p style="text-align: center;">3.8</p> <p style="text-align: center;">suitable for intensive use</p>
<p><b>Suitability For Use On Stairs</b> EN ISO 12951, Test B (EN 1963, Test B)</p> <ul style="list-style-type: none"> <li>• Number of specimen</li> <li>• Median of appearance change in the edge area [grade]</li> <li>• Assessment</li> </ul>	<p style="text-align: center;">4</p> <p style="text-align: center;">low</p> <p style="text-align: center;">suitable for intensive use</p>

<b>Static Electrical Propensity - Walking Test</b> 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]	- 0.6
2. Measurement	[kV]	- 0.2
3. Measurement	[kV]	- 0.1
Mean value	[kV]	- 0.3
• <b>Assessment according to EN 14041:2007</b>		
<b>antistatic</b>		



## 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

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### Issuing

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

### Quality Management, Accreditation And Notification

The results are from report VN720 137248.1, dated 22.01.2018.

All tests and services are performed under a quality management system according to EN ISO/IEC 17025. 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](http://www.oeti.biz). Due to the system for the mutual recognition of national accreditations (ILAC/IAF), this accreditation is valid worldwide.

Statements of conformity are based on the specifications of the specified standard. The "simple acceptance rule" applies, that means the measurement uncertainty is stated for the statement of conformity, but not taken into account.

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.

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End of Report