



## Report VNIF 080865.1 Test Report



### Applicant

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### Reference

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### Application

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

### Test material

"Highline 630 wt"

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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Authorised for Institute  
Ing. Hannes Vittek

A handwritten signature in blue ink, appearing to read "Vitteh", written over a horizontal dotted line.

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**1 Order**

**1.1 Chronology**

Date	Received	Order
22.06.2015	23.06.2015	Classification according to EN 1307 as well as castor chair suitability, suitability for using on stairs, resistance to fraying and static electrical propensity.

**1.2 Samples**

Nr.	Received	Sample Identification
1	23.06.2015	"Highline 630 wt"

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

## 2 Findings / Tests performed

According to EN 1307:2014 (a) Annex B

Identification, basic information	
Productname	"Highline 630 wt"
Date	2015-07-15
Manufacturer / User	EGETAEPPER A/S
Type of face side	Cut pile (reference according to B.2.2: A1)
Manufacturing procedure	Tufted (reference according to B.2.1: M5)
Backing	Textile backing (reference according to B.2.4: S10)
Type of floor covering	Pile carpet
Base	Non-woven fabric (reference according to B.2.3: P3)
Colouration	Patterned (reference according to B.2.5: C2)
Fibres of pile	100 % Polyamide (according to the applicant)
Total mass	2080 g/m <sup>2</sup>
Pile mass above the substrate	463 g/m <sup>2</sup>
Total thickness	6,5 mm
Pile height	4,0 mm
Surface pile density	0,116 g/cm <sup>3</sup>
Number of tufts or loops	2302 /dm <sup>2</sup>
Vettermann-drum test, short time testing	5,0
Vettermann-drum test, long time testing	4,5
Basic requirements	<b>fulfilled</b>
Use class	
Classification of change in appearance	Class 33
Level of use classification	<b>Class 33</b>
Comfort-Class	<b>LC2</b>
Additional properties	
Castor chair suitability	suitable for intensive use
Stair suitability	suitable for intensive use
Fraying resistance	resistant to fraying
Body voltage from the walking test	- 1,6 kV

<p>DESCRIPTION OF SPECIMEN textile floor coverings EN 1307</p> <p>Number of specimen Manufacturing procedure Structure of face side Coloration of face side Type of backing Type of fibres at face side *) Description according to standard</p>	<p>1 tufted Cut pile Multicolored patterned Textile secondary backing 100% Polyamide pile carpet according to EN 1307 *) According to the current version of the relevant European Directives, fiber materials with a mass percentage of &lt; 2 % are not specified.</p>
<p>MASS PER UNIT AREA of textile floor coverings ISO 8543 (a)</p> <p>Number of specimen Climatisation - Temperature [°C] - Rel. air humidity [%] Mass per unit area - Mean value [g/m<sup>2</sup>] - Coefficient of variation [%] - Confidence interval (P = 95 %) abs. width [g/m<sup>2</sup>]</p>	<p>4  20 65 2080 0,4 12</p>
<p>MASS PER UNIT AREA of textile floor coverings ISO 8543 (a)</p> <p>Number of specimen Climatisation - Temperature [°C] - Rel. air humidity [%] Pile mass per unit area - Mean value [g/m<sup>2</sup>] - Coefficient of variation [%] - Confidence interval (P = 95 %) abs. width [g/m<sup>2</sup>]</p>	<p>4  20 65 463 1,3 10</p>
<p>THICKNESS of textile floor coverings ISO 1765 (a)</p> <p>Number of specimen Climatisation - Temperature [°C] - Air humidity [%] Thickness - Mean value [mm] - Coefficient of variation [%] - Confidence interval (P = 95 %) abs. width [mm]</p>	<p>4  20 65 6,5 0,0 0,0</p>

<b>THICKNESS WEAR LAYER of textile floor coverings</b> <b>ISO 1766 (a)</b>  Number of specimen Test atmosphere - Temperature [°C] - Air humidity [%] Shearing methode Thickness of wear layer - Mean value [mm] - Coefficient of variation [%] - Confidence interval (P = 95 %) abs. width [mm]	4  20 65 Sharp pointed knife  4,0 0,0 0,0
<b>PILE DENSITY</b> <b>ISO 8543 (a)</b>  Number of specimen Pile material Density of pile material [g/cm³] Mass of pile per unit area [g/m²] Thickness of above the substrate pile [mm] Surface pile density [g/cm³] Relative surface pile density [%]	4 100% Polyamide 1,14 463 4,0 0,116 10,2
<b>NUMBER OF TUFTS OR LOOPS</b> <b>ISO 1763 (a)</b>  Number of specimen Number of tufts or loops / 10 cm - in length direction - in cross direction Number of tufts or loops per dm² Number of tufts or loops per m²	4  57,7 39,9 2302 230200
<b>MASS LOSS - Lisson pedal wheel methode</b> <b>EN 1963 A (a)</b>  Number of specimen Soles Number of treads Adjustment of wheel height [mm] Mass loss per unit area - Mean value [g/m²] - Coefficient of variation [%] - Confidence intercall (P= 95 % ) absolte width [g/m²] Relative mass loss - Mean value [%] - Coefficient of variation [%] - Confidence intercall (P= 95 % ) absolte width [%] Tretradindex	4 SBR rubber 2000 -5  11 56,1 10  2,4 56,1 2,1 4,0
<b>BASIC REQUIREMENTS of textile floor coverings</b> <b>EN 1307</b>  Basic requirements - Floor covering with Pile (Cut pile) Colour fastness Fibre bind < 80 % natural fibres Cut pile - Mass loss [%] Judgement Basic requirements [fulfilled / not fulfilled]	Conformity has to be declared by the manufacturer for each colour  2,4  fulfilled

<p>CHANGES IN APPEARANCE - drum test ISO 10361 (a)</p> <p>Number of specimen Number of revolutions After 5 000 revolutions - Index of appearance change (Median) - Index of colour change (Median) - Main reasons for change - Index after colour correction (Median) - Index after colour correction (Mean value) After 20 000 revolutions - Index of appearance change (Median) - Index of colour change (Median) - Main reasons for change - Index after colour correction (Median) - Index after colour correction (Mean value) Damages by the treatment</p>	<p>2 5,0 5 - 5,0 5,0 4,5 5 structure 4,5 4,6 none</p>
<p>CLASSIFICATION of textile floorcoverings EN 1307</p> <p>Classification of pile floor coverings Index of appearance change - Short time test - Long time test Additional mandatory requirements for Class 32 Classification of change in appearance Classification of overall use class Classification of luxury rating class</p>	<p>5,0 4,5 33 33 LC2</p>
<p>CASTOR CHAIR SUITABILITY of textile floor coverings EN 985 A (a)</p> <p>Number of specimen Mounting of specimen</p> <p>Castors Test duration 5000 revolutions Change of attribute Index of colour change [Grade] Index of appearance change [Grade] Test duration 25000 revolutions Change of attribute Index of colour change [Grade] Index of appearance change [Grade] Castor chair index Damages by the treatment Suitable for castor chairs</p>	<p>2 Double sided adhesive tape SIGAN 2 (UZIN UTZ AG) Single swivel castors structure 4-5 4,0 Structure 3-4 3,5 3,9 None suitable for intensive use</p>
<p>SUITABILITY FOR USE ON STAIRS EN 1963 B (a)</p> <p>Number of specimen Median of appearance change in the edge area [Grade] Judgement</p>	<p>4 low appearance change suitable for intensive use</p>

<p>RESISTANCE TO FRAYING EN 1814 (a)</p> <p>Number of specimen Kind of test sample Description of cut edge after treatment - Delamination - Fraying - Tuft loss / sprouting - Thread puller - Release of fibers from the pile material Judgement</p>	<p>4 Rolls</p> <p>not applicable not applicable not applicable not applicable not applicable suitable for intensive use</p>
<p>STATIC ELECTRICAL PROPENSITY - Walking test ISO 6356 (a)</p> <p>Number of specimen Testing climate - Temperature [°C] - Air humidity [%] Base plate Sole-material Pretreatment Body-Voltage - supplied condition - Test 1 [kV] - Test 2 [kV] - Test 3 [kV] - Mean value [kV] - Judgement</p>	<p>1</p> <p>23 25 Rubber mat XS-664P Neolite none</p> <p>-1,6 -1,6 -1,6 -1,6</p> <p>„antistatic“ according EN 14041</p>

### 3 Remarks

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