



Report VNIF 080037.3 Test Report

Applicant

EGETAEPER A/S
Industrivej Nord 25
7400-Herning
Denmark

Reference

Mrs. Lenette Ormstrup

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 loop wt"

Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

Issuing and Signatures

Number of pages contained: 8

Original Issue / Vienna 20.04.2015 / mm / 201

Authorised for Institute
Ing. Hannes Vittek

A handwritten signature in blue ink, reading 'J. V. Zauböck', written over a horizontal dotted line.

Contents

1	Order	2
1.1.	Chronology	2
1.2.	Samples	2
2	Summarized test report.....	3
3	Findings / Tests performed	4
4	Remarks.....	8

1 Order

1.1. Chronology

Date	Received	Order
25.03.2015	25.03.2015	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
	25.03.2015	"Highline loop wt"

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

2 Summarized test report

According to EN 1307:2014 (a) Annex B

Identification, basic information	
Productname	"Highline loop wt"
Date Ausstellungsdatum	2015-04-20
Manufacturer / User	EGETAEPPER A/S
Type of face side	Loop pile (reference according to B.2.2: A4)
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	2275 g/m ²
Pile mass above the substrate	480 g/m ²
Total thickness	6,9 mm
Pile height	4,1 mm
Surface pile density	0,117 g/cm ³
Number of tufts or loops	1528 /dm ²
Vettermann-drum test, short time testing	4,0
Vettermann-drum test, long time testing	3,5
Basic requirements	fulfilled
Use class	
Classification of change in appearance	class 33
Level of use classification	class 33
Comfort-Class	LC2
Additional properties	
Castor chair suitability	suitable for intensive use
Stair suitability	suitable for intensive use
Fraying resistance	resistant to fraying
Body voltage from the walk test	- 0,5 kV

3 Findings / Tests performed

<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 loop pile patterned textile backing 100% Polyamide pile carpet according to EN 1307</p> <p>*) According to the current version of the relevant European Directives, fiber materials with a mass percentage of < 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/m²] - Coefficient of variation [%] - Confidence interval (P = 95 %) abs. width [g/m²]</p>	<p>4 20 65 2275 0,8 31</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/m²] - Coefficient of variation [%] - Confidence interval (P = 95 %) abs. width [g/m²]</p>	<p>4 20 65 480 0,8 7</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 6,9 0,8 0,1</p>

<p>THICKNESS WEAR LAYER of textile floor coverings ISO 1766 (a)</p> <p>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]</p>	<p>4 20 65 Sharp pointed knife 4,1 1,4 0,1</p>
<p>PILE DENSITY ISO 8543 (a)</p> <p>Number of specimen Pile material Density of pile material [g/cm³] Mass of pile per unit area [g/cm²] Thickness of above the substrate pile [mm] Surface pile density [g/cm²] Relative surface pile density [%]</p>	<p>4 100% Polyamide 1,14 480 4,1 0,117 10,3</p>
<p>NUMBER OF TUFTS OR LOOPS ISO 1763 (a)</p> <p>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 Number of specimen</p>	<p>40,0 38,2 1528 152800 4</p>
<p>FIBREBIND EN 1963 C (a)</p> <p>Number of specimen Duration [turns] Appearance change compared to photostandard</p>	<p>4 400 better than photographs</p>
<p>BASIC REQUIREMENTS of textile floor coverings EN 1307 Basic requirements - Floor covering with Pile (Loop pile) - Colour fastness Fibre bind < 80 % natural fibres Loop pile - Fuzzing below level of reference photographs [%] Judgement Basic requirements [fulfilled / not fulfilled]</p>	<p>Conformity has to be declared by the manufacturer for each colour better than photographs fulfilled</p>

<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)[Grade] - Index of colour change (Median)[Grade] - Main reasons for change - Index after colour correction (Median)[Grade] - Index after colour correction (Mean value) [Grade] After 22 000 revolutions - Index of appearance change (Median)[Grade] - Index of colour change (Median)[Grade] - Main reasons for change - Index after colour correction (Median)[Grade] - Index after colour correction (Mean value) [Grade] Damages by the treatment</p>	<p>4</p> <p>4,0 4 colour 4,0 4,2</p> <p>3,5 3-4 structure, colour 3,5 3,5 none</p>
<p>CLASSIFICATION of textile floor coverings EN 1307 Classification of pile floor coverings Index of appearance change - Short term test - Long term test Classification of change in appearance Classification of overall use class Classification of luxury ratin class</p>	<p>4,0 3,5 class 33 class 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 [yes/no]</p>	<p>2 double sided adhesive tape „SIGAN 2“ (UZIN UTZ AG) single wheels, type H</p> <p>structure, colour 3-4 3,5</p> <p>structure, colour 3-4 3,5 3,5 none suitable for intensive use</p>
<p>SUITABILITY FOR USE ON STAIRS EN 1963 B (a) Number of specimen Median of appearance change in the edge area 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 accurate not accurate not accurate not accurate not accurate resistant to fraying</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 Isolating rubber mat on metal plate XS-664P Neolite none</p> <p>-0,5 -0,4 -0,5 -0,5</p> <p>The tested sample in supplied condition can be classified as antistatic according EN 14041:2004.</p>

4 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.

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

Issuance

The valid first issue is done in paper and has single-handed signatures. For reference purposes and filing an unsigned electronic duplicate can be delivered in pdf format. Duplicates and 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.

The ÖTI is accredited as Testing Laboratory and Certification Body for products. It also is a Notified Body for several directives with the registration number 0534 (see <http://ec.europa.eu/enterprise/newapproach/nando/>). Accreditation as Testing Laboratory was provided by Akkreditierung Austria (bmwfw). The scope of accreditation is listed on www.bmwfw.gv.at/akkreditierung.

In this report test conditions of individual accredited test procedures are marked with (a).

According to the decree on the use of the accreditation mark ("AkkZV") the accreditation mark is only to be used by the accredited Conformity Assessment Body.

Application of the registration number of the Notified Body: As to personal protective equipment (PPE) the requirements of PSA-SV § 10, BGBl. Nr. 596/1994 as amended and article 13 of the Directive 89/686/EEC have to be kept. With construction products the application is only permitted within the declaration of performance for CE-marking.

Copyright and Usage Notes

It is pointed out, that any alterations, amendments or falsifications of reports not authorized by the issuer of the report will be prosecuted as civil and criminal offences; this especially to the appropriate requirements of ABGB, UrhG, UWG and criminal law and their respective international equivalents.

Reports are protected under international copyright laws. Written consent of the ÖTI is required for publications (also in excerpt) and reference to tests for public relation purposes. Reports may only be reproduced in full length.

End of report