Report VNIF 082128.3
Test Report

Applicant

EGETAEPPER A/S
Industrivej Nord 25
7400-Herning
Denmark

Reference

Mrs. Ormstrup

Application

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

Test material

"ege Tuft 440 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 05.11.2016 / mm / LT / 201

Authorised for Institute
Ing. Hannes Vittek

Contents

1 Order

1.1 Chronology

Date	Received	Order
09.07.2015	09.07.2015	Classification according to EN 1307 as well as determination of castor chair suitability, suitability for use on stairs, resistance to fraying and static electrical propensity.

1.2 Samples

Nr.	Received	Sample Identification
1	09.07.2015	"ege Tuft 440 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	"ege Tuft 440 WT"
Date	2015-08-05
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	plain (reference according to B.2.5: C1)
Dimensions	rolls
Fibres of pile	100 % Polyamide (according to the applicant)
Total mass	1891 g/m²
Pile mass above the substrate	328 g/m²
Total thickness	5,2 mm
Pile height	3,0 mm
Surface pile density	0,109 g/cm³
Number of tufts or loops	1738 /dm²
Vettermann-drum test, short time testing	4,5
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	**LC1**

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	+ 0,1 kV
Classification according to EN 14041:2004	antistatic
Vertical resistance	3,9 x10^{10} Ω

3 Findings / Tests performed

DESCRIPTION OF SPECIMEN textile floor coverings EN 1307		
Number of specimen		1
Manufacturing procedure		tufted
Structure of face side		loop pile
Coloration of face side		plain
Type of backing		textile backing
Type of fibres at face side *)		100 % Polyamide
Description according to standard		pile carpet according to EN 1307
		*) According to the current version of the relevant European Directives, fiber materials with a mass percentage of < 2 % are not specified.
MASS PER UNIT AREA of textile floor coverings ISO 8543 (a)		
Number of specimen		4
Climatisation		
- Temperature	[°C]	20
- Rel. air humidity	[%]	65
Mass per unit area		
- Mean value	[g/m²]	1891
- Coefficient of variation	[%]	0,4
- Confidence interval (P = 95 %) abs. width	[g/m²]	11
MASS PER UNIT AREA of textile floor coverings ISO 8543 (a)		
Number of specimen		4
Climatisation		
- Temperature	[°C]	20
- Rel. air humidity	[%]	65
Pile mass per unit area		
- Mean value	[g/m²]	328
- Coefficient of variation	[%]	0,6
- Confidence interval (P = 95 %) abs. width	[g/m²]	4
THICKNESS of textile floor coverings ISO 1765 (a)		
Number of specimen		4
Climatisation		
- Temperature	[°C]	20
- Air humidity	[%]	65
Thickness		
- Mean value	[mm]	5,2
- Coefficient of variation	[%]	0,0
- Confidence interval (P = 95 %) abs. width	[mm]	0

THICKNESS WEAR LAYER of textile floor coverings ISO 1766 (a)		
Number of specimen		4
Test atmosphere		
- Temperature	[°C]	20
- Air humidity	[%]	65
Shearing methode		Sharp pointed knife
Thickness of wear layer		
- Mean value	[mm]	3,0
- Coefficient of variation	[%]	2,0
- Confidence interval (P = 95 %) abs. width	[mm]	0,1
PILE DENSITY ISO 8543 (a)		
Number of specimen		4
Pile material		100% Polyamide
Density of pile material	[g/cm³]	1,14
Mass of pile per unit area	[g/cm²]	328
Thickness of above the substrate pile	[mm]	3,0
Surface pile density	[g/cm³]	0,109
Relative surface pile density	[%]	9,6
NUMBER OF TUFTS OR LOOPS ISO 1763 (a)		
Number of specimen		4
Number of tufts or loops / 10 cm		
- in length direction		44,1
- in cross direction		39,4
Number of tufts or loops per dm²		1738
Number of tufts or loops per m²		173800
FIBREBIND EN 1963 C (a)		
Number of specimen		4
Duration	[turns]	400
Appearance change compared to photostandard		better than photographs
BASIC REQUIREMENTS of textile floor coverings EN 1307		
Basic requirements - Floor covering with Pile (Loop pile)		1
Colour fastness		Conformity has to be declared by the manufacturer for each colour
Fibre bind < 80 % natural fibres		
Loop pile - Fuzzing [better / unimproved]		better than photographs
Judgement		
Basic requirements[fullfilled / not fullfilled]		fullfilled

CHANGES IN APPERANCE - drum test ISO 10361 (a)		
Number of specimen		2
Number of revolutions		
After 5 000 revolutions		
- Index of apperance change (Median)		4,5
- Index of colour change (Median)		4-5
- Main reasons for change		structure
- Index after colour correction (Median)		4,5
- Index after colour correction (Mean value)		4,4
After 20 000 revolutions		
- Index of apperance change (Median)		3,5
- Index of colour change (Median)		4
- Main reasons for change		colour, structure
- Index after colour correction (Median)		3,5
- Index after colour correction (Mean value)		3,6
Damages by the treatment		none
CLASSIFICATION of textile floorcoveirngs EN 1307		
Classification of pile floor coverings		1
Index of appearance change		
- Short time test		4,5
- Long time test		3,5
Classification of change in apperance		33
Classification of overall use class		33
Classification of luxury rating class		LC1
CASTOR CHAIR SUITABILITY of textile floor coverings EN 985 A (a)		
Number of specimen		2
Mounting of specimen		double sided adhesive tape „SIGAN 2“ (UZIN UTZ AG)
Castors		single wheels, type H
Test duration 5000 revolutions		
Change of attribute	[Grade]	colour, structure
Index of colour change	[Grade]	3
Index of appearance change	[Grade]	3,0
Test duration 25000 revolutions		
Change of attribute	[Grade]	colour, structure
Index of colour change	[Grade]	2-3
Index of appearance change	[Grade]	2,5
Castor chair index		2,9
Damages by the treatment		none
Suitable for castor chairs		suitable for intensive use
SUITABILITY FOR USE ON STAIRS EN 1963 B (a)		
Number of specimen		4
Median of appearance change in the edge area	[Grade]	low appearance change
Judgement		suitable for intensive use

RESISTANCE TO FRAYING EN 1814 (a)		
Number of specimen		4
Kind of test sample		rolls
Desciption of cut edge after treatment		
- Delamination		not accurate
- Fraying		not accurate
- Tuft loss / sprouting		not accurate
- Thread puller		not accurate
- Release of fibers from the pile material		not accurate
Judgement		resistant to fraying
STATIC ELECTRICAL PROPENSITY - Walking test ISO 6356 (a)		
Number of specimen		3
Testing climate		
- Temperature	[°C]	23
- Air humidity	[%]	25
Base plate		Isolating rubber mat on metal plate
Sole-material		XS-664P Neolite
Pretreatment		none
Body-Voltage - supplied condition		
- Test 1	[kV]	+0,1
- Test 2	[kV]	+0,1
- Test 3	[kV]	+0,1
- Mean value	[kV]	+0,1
- Judgement		The tested sample in supplied condition can be classified as antistatic according EN 14041:2004.
ELECTRICAL RESISTANCES of textile floor coverings ISO 10965		
Number of specimen		3
Testing climate		
- Temperature	[°C]	23
- Air humidity	[%]	25
Measuring voltage	[V]	500
Vertical resistance		
- Specimen 1 - 1st measurement	[Ω]	$5{,}0 \times 10^{10}$
- Specimen 1 - 2nd measurement	[Ω]	$3{,}0 \times 10^{10}$
- Specimen 2 - 1st measurement	[Ω]	$2{,}5 \times 10^{10}$
- Specimen 2 - 2nd measurement	[Ω]	$4{,}0 \times 10^{10}$
- Specimen 3 - 1st measurement	[Ω]	$6{,}0 \times 10^{10}$
- Specimen 3 - 2nd measurement	[Ω]	$3{,}0 \times 10^{10}$
- Geom. Mean value	[Ω]	$3{,}9 \times 10^{10}$

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

This issue is a rewriting of report VNIF 081043.1, dated 05.08.2015.

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

End of report