



Report VNIF 080037.5 Test Report



Applicant

EGETAEPER A/S
Industrivej Nord 25
7400-Herning
Denmark

Reference

Mrs. Ormstrup

Application

Classification according to EN 1307 as well the resistance to fraying and static electrical propensity.

Test material

"Highline 80 / 20 1100 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, reading "i.v. Zauböck", written over a 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	7

1 Order

1.1. Chronology

Date	Received	Order
08.04.2015	08.04.2015	Classification according to EN 1307 as well the resistance to fraying and static electrical propensity.

1.2. Samples

Nr.	Received	Sample Identification
1	13.04.2015	"Highline 80 / 20 1100 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 80 / 20 1100 WT"
Date	2015-05-05
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	multi-coloured patterned (reference according to B.2.5: C2)
Fibres of pile	80 % Wool / 20 % Polyamide (according to the applicant)
Total mass	2664 g/m ²
Pile mass above the substrate	784 g/m ²
Total thickness	8,1 mm
Pile height	5,4 mm
Surface pile density	0,145 g/cm ³
Number of tufts or loops	1208 /dm ²
Vettermann-drum test, short time testing	3,5
Vettermann-drum test, long time testing	2,5
Basic requirements	fulfilled
Use class	
Classification of change in appearance	Class 32
Level of use classification	Class 32
Comfort-Class	LC3
Additional properties	
Fraying resistance	resistant to fraying
Body voltage from the walking test	+ 0,2 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 Base Coloration of face side Type of backing Type of fibres at face side *) Description according to standard</p>	<p>1 tufted cut pile non-woven multicoloured patterned textile backing 80% Wool / 20% Polyamide 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.</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 2664 0,5 20</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 65 784 1,8 20</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 8,1 0,6 0,1</p>

<p>THICKNESS WEAR LAYER of textile floor coverings ISO 1766 (a)</p> <p>Number of specimen 4</p> <p>Test atmosphere</p> <p>- Temperature [°C] 20</p> <p>- Air humidity [%] 65</p> <p>Shearing methode Sharp pointed knife</p> <p>Thickness of wear layer</p> <p>- Mean value [mm] 5,4</p> <p>- Coefficient of variation [%] 1,5</p> <p>- Confidence interval (P = 95 %) abs. width [mm] 0,2</p>	
<p>PILE DENSITY ISO 8543 (a)</p> <p>Number of specimen 4</p> <p>Pile material 80 % Wool / 20 % Polyamide</p> <p>Density of pile material [g/cm³] 1,28</p> <p>Mass of pile per unit area [g/cm²] 784</p> <p>Thickness of above the substrate pile[mm] 5,4</p> <p>Surface pile density [g/cm²] 0,145</p> <p>Relative surface pile density [%] 11,3</p>	
<p>NUMBER OF TUFTS OR LOOPS ISO 1763 (a)</p> <p>Number of specimen 4</p> <p>Number of tufts or loops / 10 cm</p> <p>- in length direction 37,5</p> <p>- in cross direction 32,2</p> <p>Number of tufts or loops per dm² 1208</p> <p>Number of tufts or loops per m² 120800</p>	
<p>FIBREBIND with modified martindale methode ISO/PAS 11856</p> <p>Number of specimen 2</p> <p>Mass loss at 10.000 rubs</p> <p>- Specimen 1 [mg] 158</p> <p>- Specimen 2 [mg] 145</p> <p>- Mean value [mg] 152</p> <p>Mass loss per rub between 10000 and 30000 turns</p> <p>- Specimen 1 [mg] 0,0025</p> <p>- Specimen 2 [mg] 0,0029</p> <p>- Mean value [mg] 0,0027</p>	
<p>BASIC REQUIREMENTS of textile floor coverings EN 1307</p> <p>Basic requirements - Floor covering with Pile (Cut pile)</p> <p>Colour fastness</p> <p>Fibre bind ≥ 80 % natural fibres</p> <p>- Fibre bind - Mass loss at 10.000 rubs [mg] 152</p> <p>Basic requirements [fullfilled / not fullfilled] fullfilled</p>	<p>Conformity has to be declared by the manufacturer for each colour.</p>

<p>CHANGES IN APPEARANCE - drum test ISO 10361 (a)</p> <p>Number of specimen After 5 000 revolutions</p> <ul style="list-style-type: none"> - 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) <p>After 20 000 revolutions</p> <ul style="list-style-type: none"> - 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) <p>Damages by the treatment</p>	<p>4</p> <p>3,5</p> <p>3</p> <p>colour</p> <p>3,5</p> <p>3,3</p> <p>2,5</p> <p>2 - 3</p> <p>colour</p> <p>2,5</p> <p>2,5</p> <p>none</p>
<p>CLASSIFICATION of textile floor coverings EN 1307</p> <p>Classification of pile floor coverings</p> <p>Index of appearance change</p> <ul style="list-style-type: none"> - Short term test - Long term test <p>Classification of change in appearance</p> <p>Classification of overall use class</p> <p>Classification of luxury rating class</p>	<p>3,5</p> <p>2,5</p> <p>Class 32</p> <p>Class 32</p> <p>LC3</p>
<p>RESISTANCE TO FRAYING EN 1814 (a)</p> <p>Number of specimen</p> <p>Kind of test sample</p> <p>Description of cut edge after treatment</p> <ul style="list-style-type: none"> - Delamination - Fraying - Tuft loss / sprouting - Thread puller - Release of fibers from the pile material <p>Judgement</p>	<p>4</p> <p>roll material</p> <p>not accurate</p> <p>not accurate</p> <p>not accurate</p> <p>not accurate</p> <p>not accurate</p> <p>resistant to fraying</p>
<p>STATIC ELECTRICAL PROPENSITY - Walking test ISO 6356 (a)</p> <p>Number of specimen</p> <p>Testing climate</p> <ul style="list-style-type: none"> - Temperature [°C] - Air humidity [%] <p>Base plate</p> <p>Sole-material</p> <p>Pretreatment</p> <p>Body-Voltage - supplied condition</p> <ul style="list-style-type: none"> - Test 1 [kV] - Test 2 [kV] - Test 3 [kV] - Mean value [kV] - Judgement 	<p>1</p> <p>23</p> <p>25</p> <p>Isolating rubber mat on metal plate XS-664P Neolite</p> <p>none</p> <p>+0,3</p> <p>+0,2</p> <p>+0,2</p> <p>+0,2</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.

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Sample Material

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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.

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Quality management, Accreditation and Notification

This issue replaces report 080037.4, dated 30.04.2015

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).

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End of report