



Ege Carpets A/S
Industrivej Nord 25
7400 Herning
Denmark

Your Reference
Customer Number 40201
Contact Person Ormstrup Lenette
E-Mail lo@ege.dk

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Test Report VN720 164985.1

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 910 wt"

The test material used for testing was made anonymous for laboratory purposes.
A detailed sample list is included in the document.

Issuing

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OETI - Institute for Ecology, Technology and Innovation GmbH

Ing. Hannes Vittek

Manager Flooring Technology & Interior Design





1 Application

Date of Order	Scope of Order
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.

2 Samples

No.	Receipt	Sample Identification
1	25.03.2015	"Highline 910 wt"

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

3 Tests Performed / Results

Identification, basic information	
Productname	"Highline 910 wt"
Date Ausstellungsdatum	2015-04-20
Manufacturer / User	EGETAEPPEP 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	2237 g/m ²
Pile mass above the substrate	790 g/m ²
Total thickness	7,5 mm
Pile height	5,2 mm
Surface pile density	0,152 g/cm ³
Number of tufts or loops	2221 /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	LC3
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	- 0,3

<p>DESCRIPTION OF SPECIMEN textile floor coverings EN 1307</p> <p>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>tufted cut 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</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 2237 2,0 70</p>
<p>MASS PER UNIT AREA of textile floor coverings ISO 8543</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 65 790 0,8 10</p>
<p>THICKNESS of textile floor coverings ISO 1765</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 7,5 0,7 0,1</p>

THICKNESS WEAR LAYER of textile floor coverings ISO 1766 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 5,2 1,0 0,1
PILE DENSITY ISO 8543 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 [%]	4 100% Polyamide 1,14 790 5,2 0,152 13,3
NUMBER OF TUFTS OR LOOPS ISO 1763 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 54,3 40,9 2221 222100
MASS LOSS - Lisson pedal wheel methode EN 1963 A 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 Vulcanised SBR-rubbers with a wave profile 1650 -5 5 36,1 3 0,6 36,1 0,4 5,3
BASIC REQUIREMENTS of textile floor coverings EN 1307 Basic requirements - Floor covering with Pile (Loop pile) Colour fastness Cut pile - Mass loss [%] Basic requirements [fulfilled / not fulfilled]	Conformity has to be declared by the manufacturer for each colour 0,6 fulfilled

<p>CHANGES IN APPEARANCE - drum test ISO 10361</p> <p>Number of specimen After 5 000 revolutions</p> <ul style="list-style-type: none"> - Index of appearance change (Median) - Index of colour change (Median) [Grade] - Main reasons for change [Grade] - Index after colour correction (Median) [Grade] - Index after colour correction (Mean value) <p>After 22 000 revolutions</p> <ul style="list-style-type: none"> - Index of appearance change (Median) - Index of colour change (Median) [Grade] - Main reasons for change [Grade] - Index after colour correction (Median) [Grade] - Index after colour correction (Mean value) <p>Damages by the treatment</p>	<p>4</p> <p>4,0</p> <p>4</p> <p>structure</p> <p>4,0</p> <p>4,0</p> <p>3,5</p> <p>3-4</p> <p>structure</p> <p>3,5</p> <p>3,5</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 ratin class</p>	<p>4,0</p> <p>3,0</p> <p>Class 33</p> <p>Class 33</p> <p>LC3</p>
<p>CASTOR CHAIR SUITABILITY of textile floor coverings EN 985 A</p> <p>Number of specimen Mounting of specimen</p> <p>Castors</p> <p>Test duration 5000 revolutions</p> <ul style="list-style-type: none"> - Change of attribute - Index of colour change [Grade] - Index of appearance change [Grade] <p>Test duration 25000 revolutions</p> <ul style="list-style-type: none"> - Change of attribute - Index of colour change [Grade] - Index of appearance change [Grade] <p>Castor chair index</p> <p>Damages by the treatment</p> <p>Suitable for castor chairs [yes/no]</p>	<p>2</p> <p>double sided adhesive tape „SIGAN 2“ (UZIN UTZ AG) single wheels, type H</p> <p>structure, colour</p> <p>3 - 4</p> <p>3,5</p> <p>structure, colour</p> <p>3</p> <p>3,0</p> <p>3,4</p> <p>none</p> <p>suitable for intensive use</p>
<p>SUITABILITY FOR USE ON STAIRS EN 1963 – B</p> <p>Number of specimen Median of appearance change in the edge area Judgement</p>	<p>4</p> <p>low appearance change suitable for intensive use</p>

<p>RESISTANCE TO FRAYING EN 1814</p> <p>Number of specimen Kind of test sample 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 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</p> <p>Number of specimen Testing climate</p> <ul style="list-style-type: none"> - Temperature [°C] - Air humidity [%] <p>Base plate Sole-material Pretreatment Body-Voltage - supplied condition</p> <ul style="list-style-type: none"> - Test 1 [kV] - Test 2 [kV] - Test 3 [kV] - Mean value [kV] <p>- Judgement</p>	<p>1</p> <p>23 25</p> <p>Isolating rubber mat on metal plate XS-664P Neolite none</p> <p>-0,4 -0,2 -0,2 -0,3</p> <p>The tested sample in supplied condition can be classified as antistatic according EN 14041:2004.</p>

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.

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Issuing

The valid first issue is done in paper and has single-handed signatures. Translations will be marked accordingly on the cover sheet.

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End of Report