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Test Report VN720 155326.1

Application

Testing and classification according to EN 1307 as well as castor chair suitability, suitability for use on stairs, resistance to fraying and antistatic behaviour.

Test Material

"Egetuft 440 AB"

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

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1 Application

Date of Order	Scope of Order
13.05.2019	Summarized test report - EN 1307 Annex B Description Of Specimen - Textile Floor Coverings - EN 1307 Mass Per Unit Area - ISO 8543 Textile Floor Coverings Mass Per Unit Area - ISO 8543 Pile Layer Of Textile Floor Coverings Thickness Of Textile Floor Coverings - ISO 1765 Thickness Wear Layer Of Textile Floor Coverings - ISO 1766 Pile Density - ISO 8543 Number Of Tufts Or Loops - ISO 1763 Suitability For Use On Stairs - EN ISO 12951, Test B (EN 1963, Test B) Basic requirements - EN 1307 - Textile floor covering with cut pile Changes in Appearance - Drum Test - ISO 10361 Method A / ISO 9405 Classification - EN 1307 - Textile floor covering with pile Resistance To Fraying - EN 1814 Castor Chair Suitability Of Textile Floor Coverings - EN 985 Methode A / ISO 9405 Mass Loss - Lisson Pedal Wheel Methode - EN ISO 12951, Test A (EN 1963, Test A) Static Electrical Propensity - Walking Test - ISO 6356

2 Samples

No.	Receipt	Sample Identification
1	21.05.2019	"Egetuft 440 AB"
2	18.06.2019	"Egetuft 440 AB"

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

3 Tests Performed / Results

Summarized test report EN 1307 Annex B		#1 + #2 "Egetuft 440 AB"
• Identification, basic information		
Product name		"Egetuft 440 AB"
Manufacturer / User		EGETAEPPER A/S
Type of face side		Loop Pile (according to B.2.2: A4)
Manufacturing procedure		Tufted (according to B.2.1: M5)
Backing		Textile Backing (non-woven) (according to B.2.4: S10)
Type of floor covering		Pile Carpet
Base		Non-woven (according to B.2.3: P3)
Colouration		multicolored unpatterned
Dimensions		Rolls
Fibres of pile		100% Polyamide
• Construction		
Total mass	[g/m²]	2'142
Pile mass above the substrate	[g/m²]	270
Total thickness	[mm]	7.5
Thickness of pile layer	[mm]	3.1
Surface pile density	[g/cm³]	0.087
Number of tufts or loops per dm²		1'811
• Appearance change		
Vetterman-drum test, short time testing		4.0
Vetterman-drum test, long time testing		3.5
• Classification according EN 1307		
Basic requirements		fulfilled
Change in appearance		Class 33
Use class		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, walking test	[kV]	-0.4
Judgement according to EN 14041		antistatic

		#1 "Egetuft 440 AB"
Description Of Specimen - Textile Floor Coverings EN 1307		
• Manufacturing procedure		tufted
• Structure of face side		Loop pile
• Base		Non-woven
• Coloration of face side		multicolored unpatterned
• Type of backing		Textile Backing (non-woven)
• Type of fibres at face side		100% Polyamide
• Dimensions		Rolls
• Description according to standard		Floor covering with pile
Mass Per Unit Area ISO 8543 Textile Floor Coverings		
• Number of specimen		4
• Conditioning		
Temperature	[°C]	20
Air humidity	[%]	65
• Total mass		
Mean value	[g/m²]	2'142
Coefficient of variation	[%]	1.3
Confidence intervall (95%) abs. width	[g/m²]	44
Mass Per Unit Area ISO 8543 Pile Layer Of Textile Floor Coverings		
• Number of specimen		4
• Conditioning		
Temperature	[°C]	20
Air humidity	[%]	65
• Total mass of pile		
Mean value	[g/m²]	270
Coefficient of variation	[%]	3.5
Confidence intervall (95%) abs. width	[g/m²]	15
Thickness Of Textile Floor Coverings ISO 1765		
• Number of specimen		4
• Conditioning		
Temperature	[°C]	20
Air humidity	[%]	65
• Thickness		
Mean value	[mm]	7.5
Coefficient of variation	[%]	1.8
Confidence intervall (95%) abs. width	[mm]	0.2

		#1 "Egetuft 440 AB"
Thickness Wear Layer Of Textile Floor Coverings ISO 1766		
• Number of specimen		4
• Conditioning		
Temperature	[°C]	20
Air humidity	[%]	65
• Shearing methode		3
• Thickness of wear layer		
Mean value	[mm]	3.1
Coefficient of variation	[%]	3.5
Confidence intervall (95%) abs. width	[mm]	0.2
Pile Density ISO 8543		
• Pile material		100% Polyamide
• Density of pile material	[g/cm³]	1.14
• Mass of pile per unit area	[g/cm²]	270
• Thickness of pile layer	[mm]	3.1
• Surface pile density	[g/cm³]	0.087
• Relative surface pile density	[%]	7.6
Number Of Tufts Or Loops ISO 1763		
• Number of specimen		4
• Number of tufts or loops / 10 cm		
Longitudinal direction		45.5
Cross direction		39.8
• Number of tufts or loops per dm²		1'811
• Number of tufts or loops per m²		181'100
Fibrebind EN ISO 12951, Test C (EN 1963, Test C)		
• Number of specimen		4
• Duration	[cycles]	400
• Appearance change compared to photostandard		better

		#1 "Egetuft 440 AB"
Basic requirements EN 1307 - Textile floor covering with loop pile		
• Fibre bind - Loop pile - EN 1963 Methode C		better
• Basic requirements		fulfilled
Changes in Appearance - Drum Test ISO 10361 Method A / ISO 9405		
• Used scale		ISO – A
• Appearance change 5'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	4.0
Assessor 2	[grade]	4.0
Assessor 3	[grade]	4.0
Median	[grade]	4.0
Mean value	[grade]	4.0
• Index of colour change 5'000 cycles		
Assessor 1	[grade]	4-5
Assessor 2	[grade]	4-5
Assessor 3	[grade]	4-5
Median	[grade]	4-5
• Appearance change 20'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	3.5
Assessor 2	[grade]	3.5
Assessor 3	[grade]	3.5
Median	[grade]	3.5
Mean value	[grade]	3.5
• Index of colour change 20'000 cycles		
Assessor 1	[grade]	4
Assessor 2	[grade]	4
Assessor 3	[grade]	3-4
Median	[grade]	4
• Damages by treatment		none
Classification EN 1307 - Textile floor covering with pile		
• Appearance change - short time test	[grade]	4.0
• Appearance change - long time test	[grade]	3.5
• Level of use classification		Class 33
• Comfort-Class		LC1

		#1 "Egetuft 440 AB"
Castor Chair Suitability Of Textile Floor Coverings EN 985 Methode A / ISO 9405		
• Castors		Type H
• Specimen fixation		double sided adhesive tape
• Used scale		ISO - A
• Appearance change 5'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	3.0
Assessor 2	[grade]	3.0
Assessor 3	[grade]	3.0
Median	[grade]	3.0
Mean value	[grade]	3.0
• Index of colour change 5'000 cycles		
Assessor 1	[grade]	3-4
Assessor 2	[grade]	4
Assessor 3	[grade]	3-4
Median	[grade]	3-4
• Appearance change 25'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	2.0
Assessor 2	[grade]	2.0
Assessor 3	[grade]	2.0
Median	[grade]	2.0
Mean value	[grade]	2.0
• Index of colour change 25'000 cycles		
Assessor 1	[grade]	3
Assessor 2	[grade]	3-4
Assessor 3	[grade]	3
Median	[grade]	3
• Damages by treatment		none
• Castor chair index		2.8
• Castor chair suitability		suitable for intensive use
Suitability For Use On Stairs EN ISO 12951, Test B (EN 1963, Test B)		
• Number of specimen		4
• Median of appearance change in the edge area	[grade]	low
• Assessment		suitable for intensive use

		#1 "Egetuft 440 AB"
Static Electrical Propensity - Walking Test ISO 6356		
• Number of specimen		1
• Testing climate		
Temperature	[°C]	23
Air humidity	[%]	25
• Underlay		rubber on metal
• Sole-material		XS-664P Neolite
• Pretreatment		none
• Body-Voltage supplied condition		
1. Measurement	[kV]	- 0.3
2. Measurement	[kV]	- 0.4
3. Measurement	[kV]	- 0.4
Mean value	[kV]	- 0.4
• Judgement according to EN 14041		antistatic

	#2 "Egetuft 440 AB"
Resistance To Fraying EN 1814	
• Number of specimen	4
• Kind of test sample	sheet material
• Description of cut edge after treatment	
• Delamination	not occured
• Fraying	not occured
• Tuft loss / sprouting	not occured
• Thread puller	not occured
• Release of fibers from the pile material	not occured
• Assessment	resistant to fraying

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.

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

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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In this report individual non-accredited test procedures are marked with *. Nevertheless, the analysis was also carried out for these parameters at the same level of quality as for the accredited parameters.

According to the decree on the use of the accreditation mark (“AkkZV”) the accredited Conformity Assessment Body is the only one to use the accreditation mark. Application of the registration number of the Notified Body: As to personal protective equipment (PPE) the requirements of Regulation (EU) 2016/425 have to be kept. With construction products the application is only permitted within the declaration of performance for CE-marking.

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