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Test Report VN720 140524.4

Application

Determination according to the classification criteria of EN 1307 as well as castor chair suitability, suitability for use on stairs, resistance to fraying and static electrical propensity.

Test Material

"highline 750 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

A handwritten signature in blue ink, appearing to read 'Hannes Vittek'.

Ing. Hannes Vittek

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1 Application

Date of Order	Scope of Order
24.06.2019	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 Mass Loss - Lisson Pedal Wheel Methode - EN ISO 12951, Test A (EN 1963, Test A) 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 Suitability For Use On Stairs - EN ISO 12951, Test B (EN 1963, Test B) Resistance To Fraying - EN 1814 Castor Chair Suitability Of Textile Floor Coverings - EN 985 Methode A / ISO 9405 Static Electrical Propensity - Walking Test - ISO 6356

2 Samples

No.	Receipt	Sample Identification
1	05.06.2019	"highline 750 wt"

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

3 Tests Performed / Results

		#1 "highline 750 wt"
Summarized test report		
EN 1307 Annex B		
• Identification, basic information		
Product name		"highline 750 wt"
Manufacturer / User		EGETAEPER A/S
Type of face side		Cut Pile (according to B.2.2: A1)
Manufacturing procedure		Tufted (according to B.2.1: M5)
Backing		Textile Backing (according to B.2.4: S10)
Type of floor covering		Pile Carpet
Base		Non-woven (according to B.2.3: P3)
Colouration		multicolored unpatterned (according to B.2.5: C3)
Dimensions		Rolls
Fibres of pile		100% Polyamide
• Construction		
Total mass	[g/m ²]	2'224
Pile mass above the substrate	[g/m ²]	576
Total thickness	[mm]	7.3
Thickness of pile layer	[mm]	4.8
Surface pile density	[g/cm ³]	0.120
Number of tufts or loops per dm ²		1'918
• Appearance change		
Vetterman-drum test, short time testing		4.5
Vetterman-drum test, long time testing		3.5
• Classification according EN 1307		
Basic requirements		fulfilled
Use class		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, walking test	[kV]	- 1,6
Judgement according to EN 14041:2007		antistatic

<p>Description Of Specimen - Textile Floor Coverings EN 1307</p> <ul style="list-style-type: none"> • Manufacturing procedure • Structure of face side • Colouration of the surface • Primary backing • Type of backing • Type of fibres at face side • Dimensions • Description according to standard 	<p style="text-align: center;">tufted cut pile multicolored unpatterned non-woven Textile Backing 100% Polyamide Rolls Floor covering with pile</p>
<p>Mass Per Unit Area ISO 8543 Textile Floor Coverings</p> <ul style="list-style-type: none"> • Number of specimen • Conditioning <ul style="list-style-type: none"> Temperature [°C] Air humidity [%] • Total mass <ul style="list-style-type: none"> Mean value [g/m²] Coefficient of variation [%] Confidence intervall (95%) abs. width [g/m²] 	<p style="text-align: center;">4 20 65 2'224 1.6 58</p>
<p>Mass Per Unit Area ISO 8543 Pile Layer Of Textile Floor Coverings</p> <ul style="list-style-type: none"> • Number of specimen • Conditioning <ul style="list-style-type: none"> Temperature [°C] Air humidity [%] • Total mass of pile <ul style="list-style-type: none"> Mean value [g/m²] Coefficient of variation [%] Confidence intervall (95%) abs. width [g/m²] 	<p style="text-align: center;">4 20 65 576 1.4 13</p>
<p>Thickness Of Textile Floor Coverings ISO 1765</p> <ul style="list-style-type: none"> • Number of specimen • Conditioning <ul style="list-style-type: none"> Temperature [°C] Air humidity [%] • Thickness <ul style="list-style-type: none"> Mean value [mm] Coefficient of variation [%] Confidence intervall (95%) abs. width [mm] 	<p style="text-align: center;">4 20 65 7.3 0.7 0.1</p>

<p>Thickness Wear Layer Of Textile Floor Coverings ISO 1766</p> <ul style="list-style-type: none"> • Number of specimen • Conditioning <ul style="list-style-type: none"> Temperature [°C] Air humidity [%] • Shearing methode • Thickness of wear layer <ul style="list-style-type: none"> Mean value [mm] Coefficient of variation [%] Confidence intervall (95%) abs. width [mm] 	<p style="text-align: right;">4</p> <p style="text-align: right;">20</p> <p style="text-align: right;">65</p> <p style="text-align: right;">4.8</p> <p style="text-align: right;">0.5</p> <p style="text-align: right;">0.1</p>
<p>Pile Density ISO 8543</p> <ul style="list-style-type: none"> • Number of specimen • Pile material • Density of pile material [g/cm³] • Mass of pile per unit area [g/m²] • Thickness of pile layer [mm] • Surface pile density [g/cm³] • Relative surface pile density [%] 	<p style="text-align: right;">1</p> <p style="text-align: right;">100% Polyamide</p> <p style="text-align: right;">1.14</p> <p style="text-align: right;">576</p> <p style="text-align: right;">4.8</p> <p style="text-align: right;">0.120</p> <p style="text-align: right;">10.5</p>
<p>Number Of Tufts Or Loops ISO 1763</p> <ul style="list-style-type: none"> • Number of specimen • Number of tufts or loops / 10 cm <ul style="list-style-type: none"> Longitudinal direction Cross direction • Number of tufts or loops per dm² • Number of tufts or loops per m² 	<p style="text-align: right;">4</p> <p style="text-align: right;">47.7</p> <p style="text-align: right;">40.2</p> <p style="text-align: right;">1'918</p> <p style="text-align: right;">191'800</p>
<p>Mass Loss - Lisson Pedal Wheel Methode EN ISO 12951, Test A (EN 1963, Test A)</p> <ul style="list-style-type: none"> • Number of specimen • Mass loss per unit area • Relative mass loss • Tretadindex 	<p style="text-align: right;">4</p> <p style="text-align: right;">no mass loss</p> <p style="text-align: right;">no mass loss</p> <p style="text-align: right;">4.6</p>

#1 "highline 750 wt"

<p>Basic requirements EN 1307 - Textile floor covering with cut pile</p> <ul style="list-style-type: none"> • Fibre bind - Cut pile - EN 1963 Methode A [%] • Basic requirements 	<p>no mass loss fulfilled</p>
<p>Changes in Appearance - Drum Test ISO 10361 Method A / EN ISO 9405</p> <ul style="list-style-type: none"> • Used scale • Appearance change 5'000 cycles (if dominant: attribute) <ul style="list-style-type: none"> Assessor 1 [grade] 4.5 Assessor 2 [grade] 4.0 Assessor 3 [grade] 4.5 Median [grade] 4.5 Mean value [grade] 4.3 • Index of colour change 5'000 cycles <ul style="list-style-type: none"> Assessor 1 [grade] 4 Assessor 2 [grade] 3 Assessor 3 [grade] 4 Median [grade] 4 • Appearance change 20'000 cycles (if dominant: attribute) <ul style="list-style-type: none"> Assessor 1 [grade] 3.5 Assessor 2 [grade] 3.0 Assessor 3 [grade] 3.5 Median [grade] 3.5 Mean value [grade] 3.3 • Index of colour change 20'000 cycles <ul style="list-style-type: none"> Assessor 1 [grade] 3 Assessor 2 [grade] 2-3 Assessor 3 [grade] 3 Median [grade] 3 • Damages by treatment 	<p>ISO - B</p>
<p>Classification EN 1307 - Textile floor covering with pile</p> <ul style="list-style-type: none"> • Appearance change - short time test [grade] 4.5 • Appearance change - long time test [grade] 3.5 • Level of use classification Class 33 • Comfort-Class LC2 	

#1 "highline 750 wt"

Castor Chair Suitability Of Textile Floor Coverings EN 985 Methode A / ISO 9405		
• Castors		single swivel castor Type H
• Specimen fixation		double sided adhesive tape
• Used scale		ISO - B
• Appearance change 5'000 cycles (if dominant: attribute)		
Assessor 1	[grade]	3.0
Assessor 2	[grade]	2.5
Assessor 3	[grade]	3.0
Median	[grade]	3.0
Mean value	[grade]	2.8
• Index of colour change 5'000 cycles		
Assessor 1	[grade]	3
Assessor 2	[grade]	3-4
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]	1.5
Assessor 3	[grade]	2.0
Median	[grade]	2.0
Mean value	[grade]	1.8
• Index of colour change 25'000 cycles		
Assessor 1	[grade]	2-3
Assessor 2	[grade]	3
Assessor 3	[grade]	3
Median	[grade]	3
• Damages by treatment		none
• Castor chair index		2.8
• Castor chair suitability		Suitable for intensive use

#1 "highline 750 wt"

<p>Suitability For Use On Stairs EN ISO 12951, Test B (EN 1963, Test B)</p> <ul style="list-style-type: none"> • Number of specimen • Median of appearance change in the edge area [grade] • Assessment 	<p>4 low suitable for intensive</p>
<p>Resistance To Fraying EN 1814</p> <ul style="list-style-type: none"> • Number of specimen • Kind of test sample • Description of cut edge after treatment <ul style="list-style-type: none"> Delamination Fraying Tuft loss / sprouting Thread puller Release of fibers from the pile material • Assessment 	<p>4 sheets material not occurred not occurred not occurred not occurred not occurred resistant to fraying</p>
<p>Static Electrical Propensity - Walking Test ISO 6356</p> <ul style="list-style-type: none"> • Number of specimen • Testing climate <ul style="list-style-type: none"> Temperature [°C] Air humidity [%] • Underlay • Sole-material • Pretreatment • Body-Voltage supplied condition <ul style="list-style-type: none"> 1. Measurement [kV] 2. Measurement [kV] 3. Measurement [kV] Mean value [kV] • Judgement according to EN 14041:2007 	<p>1 23 25 Rubber on metal plate XS-664P Neolite none - 1,5 - 1,8 - 1,5 - 1,6 antistatic</p>

4 Remarks

Period of Validity

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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