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Test Report VN720 225078.7

Application
Testing and classification according to EN 1307 as well as antistatic behaviour.

Test Material
Highline Wool 1400 wt

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

Issuing
Original Issuing, 13.09.2023

Number Of Included Pages: 8

OETI - Institut fuer Oekologie, Technik und Innovation GmbH

Günther Sereinig
Customer Service Officer

1 Application

Date of Order	Scope of Order
19.07.2023	Summarized test report - EN 1307 Annex B Description Of Specimen - Textile Floor Coverings - EN 1307 Mass Per Unit Area - ISO 8543 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 Basic requirements - EN 1307 -Textile floor covering with ≥ 80 % natural fibre in pile Changes in Appearance - Drum Test - ISO 10361 Method A / EN ISO 9405 Classification - EN 1307 -Textile floor covering with ≥ 80 % natural fibre in pile Static Electrical Propensity - Walking Test - ISO 6356

2 Samples

No.	Receipt	Sample Identification
1	19.07.2023	Highline Wool 1400 wt

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

3 Tests Performed / Results

		#1 Highline Wool 1400 wt
Summarized test report EN 1307 Annex B *		
Number of Tests		1
• Identification, basic information		
Product name		Highline Wool 1400 wt
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		textile floor covering with pile
Base		non - woven fabric (according to B.2.3: P3)
Colouration		multicolored patterned (according to B.2.5: C2)
Dimensions		rolls
Fibers of pile		100% wool (declaration by the applicant)
• Construction		
Total mass	[g/m²]	2'862
Pile mass above the substrate	[g/m²]	1'031
Total thickness	[mm]	9.6
Thickness of pile layer	[mm]	6.8
Surface pile density	[g/cm³]	0.152
Number of tufts or loops per dm²		1'358
• Appearance change		
Vettermann-drum test, short time testing		3.5
Vettermann-drum test, long time testing		3.0
• Classification according EN 1307		
Basic requirements		fulfilled
Use class		Class 33
Luxury-Class		LC5
• Additional properties		
Body-Voltage, walking test	[kV]	- 1,8
Assessment according to EN 14041:2007		antistatic

		#1 Highline Wool 1400 wt
Description Of Specimen - Textile Floor Coverings EN 1307 *		
Number of Tests		1
• Manufacturing procedure		tufted
• Structure of face side		cut pile
• Primary backing		non - woven fabric
• Colouration of the surface		multicoloured patterned
• Type of backing		textile backing
• Type of fibres at face side		100% wool (declaration by the applicant)
• Dimensions		rolls
• Description according to standard		textile floor covering with pile
Mass Per Unit Area ISO 8543 Textile Floor Coverings		
Number of Tests		1
• Number of specimen		4
• Conditioning		
Temperature	[°C]	20
Air humidity	[%]	65
• Total mass		
Mean value	[g/m²]	2'862
Coefficient of variation	[%]	0.6
Confidence interval (95%) abs. width	[g/m²]	29
• Measurement uncertainty	[%]	0.84
• Issue Date of Standard: 2020-06		
Thickness Of Textile Floor Coverings ISO 1765		
Number of Tests		1
• Number of specimen		4
• Conditioning		
Temperature	[°C]	20
Air humidity	[%]	65
• Thickness		
Mean value	[mm]	9.6
Coefficient of variation	[%]	0.7
Confidence interval (95%) abs. width	[mm]	0.1
• Measurement uncertainty	[%]	1.47
• Issue Date of Standard: 1986-11		

		#1 Highline Wool 1400 wt
Thickness Wear Layer Of Textile Floor Coverings ISO 1766		
Number of Tests		1
• Number of specimen		4
• Conditioning		
Temperature	[°C]	20
Air humidity	[%]	65
• Shearing methode		--
• Thickness of wear layer		
Mean value	[mm]	6.8
Coefficient of variation	[%]	0.4
Confidence interval (95%) abs. width	[mm]	0.1
• Measurement uncertainty	[%]	1.87
• Issue Date of Standard: 1999-10		
Pile Density ISO 8543		
Number of Tests		1
• Number of specimen		4
• Pile material		100% WO
• Density of pile material	[g/cm³]	1.32
• Mass of pile per unit area	[g/m²]	1'031
• Thickness of pile layer	[mm]	6.8
• Surface pile density	[g/cm³]	0.152
• Relative surface pile density	[%]	11.5
• Issue Date of Standard: 2020-06		
Number Of Tufts Or Loops ISO 1763		
Number of Tests		1
• Number of specimen		4
• Number of tufts or loops / 10 cm		
Longitudinal direction		42.7
Cross direction		31.8
• Number of tufts or loops per dm²		1'358
• Number of tufts or loops per m²		135'800
• Issue Date of Standard: 2020-07		

		#1 Highline Wool 1400 wt
Basic requirements EN 1307 -Textile floor covering with ≥ 80 % natural fibre in pile *		
Number of Tests		1
• Color fastness	[grade]	Conformity shall be indicated for each color by the manufacturer
• Fibre bind - cut pile - EN 1963 Method A		Wool content > 80% therefore no basic requirements required
• Basic requirements		fulfilled
Changes in Appearance - Drum Test ISO 10361 Method A / EN ISO 9405		
Number of Tests		1
• Used scale		ISO cut (ISO - B)
• Appearance change 5'000 cycles (if dominant: attribute)		
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 5'000 cycles		
Assessor 1	[grade]	3
Assessor 2	[grade]	3
Assessor 3	[grade]	3
Median	[grade]	3
• Appearance change 20'000 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 20'000 cycles		
Assessor 1	[grade]	3
Assessor 2	[grade]	2 - 3
Assessor 3	[grade]	3
Median	[grade]	3
• Damages by treatment		None
• Measurement uncertainty: ± 0.5	[']	± 0,5
• Issue Date of Standard EN ISO 9405: 2017-06		
• Issue Date of Standard ISO 10361: 2015-02		

		#1 Highline Wool 1400 wt
Classification EN 1307 -Textile floor covering with ≥ 80 % natural fibre in pile *		
Number of Tests		2
• Appearance change - short time test	[grade]	3.5
• Appearance change - long time test	[grade]	3.0
• Add.mand.requ.-Class 32: Pile desity ≥ 0,10 g/cm³		0.152
• Level of use classification		Class 33
• Luxury-Class		LC5
Static Electrical Propensity - Walking Test ISO 6356		
Number of Tests		1
• Number of specimen		1
• Testing climate		
Temperature	[°C]	23
Air humidity	[%]	25
• Underlay		insulating rubber mat on metal plate
• Sole-material		XS-664P Neolite
• Pretreatment		tested in supplied condition
• Body-Voltage supplied condition		
1. Measurement	[kV]	- 1,9
2. Measurement	[kV]	- 1,7
3. Measurement	[kV]	- 1,9
Mean value	[kV]	- 1,8
• Assessment according to EN 14041:2007		antistatic
• Issue Date of Standard: 2012-07		
• Measurement uncertainty	[%]	30.00

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. The testing period is defined as timeframe between receipt of samples and issue date of test report. 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

This test report is only issued as a PDF. Translations will be marked accordingly on the cover sheet.

Quality Management, Accreditation And Notification

All tests and services are performed under a quality management system according to EN ISO/IEC 17025. OETI is accredited as Testing Laboratory and Certification Body for products. It also is a Notified Body (NB0534). (see http://ec.europa.eu/enterprise/newapproach/nando/). Accreditation was provided by Akkreditierung Austria. The scope of accreditation is listed on www.oeti.biz. Due to the system for the mutual recognition of national accreditations (ILAC/IAF), this accreditation is valid worldwide.

Statements of conformity are based on the specifications of the specified standard. The “simple acceptance rule” applies, that means the measurement uncertainty is stated for the statement of conformity, but not taken into account.

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. The accreditation marking refers to the time of the first issuance of the report.

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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