



Report VN720 149003.1 Test Report

Applicant

Mohtasham Carpet Co.

Kashan, Maqsood Kashani Street
Atlasi St. Noush Abad Road
1567619316 Iran

Reference

Application

Testing and classification according to EN 1307 as well as static electrical propensity and horizontal and vertical resistance.

Test material

„DOT DESIGN STUDIO“

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. Jamböck', written over a dotted line.

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1 Order

1.1 Chronology

Date	Received	Order
06.11.2018	04.12.2018	Testing and classification according to EN 1307 as well as static electrical propensity and horizontal and vertical resistance.

1.2 Samples

Nr.	Received	Sample Identification
1	04.12.2018	„DOT DESIGN STUDIO“

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

2 Findings / Tests performed

2.1 Summarized test report

According to EN 1307 Annex B

Identification, basic information	
Productname	„DOT DESIGN STUDIO“
Date	08.01.2019
Manufacturer / User	Mohtasham Carpet Co.
Type of face side	Cut pile (reference according to B.2.2: A1)
Manufacturing procedure	Woven (reference according to B.2.1: M1)
Backing	Finish (reference according to B.2.4 S1)
Type of floor covering	Pile carpet
Colouration	Multicolored patterned (reference according to B.2.5: C2)
Dimensions	Rolls
Fibres of pile	100% Polyester (according to the applicant)
Total mass	2953 g/m ²
Total thickness	8,2 mm
Pile height	6,3 mm
Number of tufts or loops	4165 dm ²
Surface pile density	1,38 g/cm ³
Vettermann-drum test, short time testing	4,0
Vettermann-drum test, long time testing	3,0
Basic requirements	fulfilled
Use class	
Classification of change in appearance	Class 32
Level of use classification	Class 32
Comfort-Class	LC 5
Additional properties	
Body voltage, walking test	± 0,1 kV
Classification according to EN 14041	antistatic
Vertical resistance	1,9 x 10⁹ Ω
Horizontal resistance	2,3 x 10¹¹ Ω

DESCRIPTION OF SPECIMEN textile floor coverings EN 1307	
Number of specimen	1
Manufacturing procedure	cut pile
Structure of face side	woven
Coloration of face side	multicolored patterned
Type of backing	finished
Type of fibres at face side	100% Polyester (according to the applicant)
Description according to standard	textile floor covering with pile
MASS PER UNIT AREA of textile floor coverings ISO 8543	
Number of specimen	4
Climatisation	
- Temperature [°C]	20
- Rel. air humidity [%]	65
Mass per unit area	
- Mean value [g/m ²]	2953
- Coefficient of variation [%]	0,4
- Confidence interval (P = 95 %) abs. width [g/m ²]	21
MASS PER UNIT AREA of textile floor coverings ISO 8543	
Number of specimen	4
Climatisation	
- Temperature [°C]	20
- Rel. air humidity [%]	65
Pile mass per unit area	
- Mean value [g/m ²]	1881
- Coefficient of variation [%]	1,4
- Confidence interval (P = 95 %) abs. width [g/m ²]	43
THICKNESS of textile floor coverings ISO 1765	
Number of specimen	4
Climatisation	
- Temperature [°C]	20
- Air humidity [%]	65
Thickness	
- Mean value [mm]	8,2
- Coefficient of variation [%]	1,1
- Confidence interval (P = 95 %) abs. width [mm]	0,2
THICKNESS WEAR LAYER of textile floor coverings ISO 1766	
Number of specimen	4
Test atmosphere	
- Temperature [°C]	20
- Air humidity [%]	65
Shearing methode	Sharp pointed knife
Thickness of wear layer	
- Mean value [mm]	6,3
- Coefficient of variation [%]	0,3
- Confidence interval (P = 95 %) abs. width [mm]	0,1

PILE DENSITY ISO 8543		
Number of specimen		4
Pile material		100% Polyester
Density of pile material	[g/cm ³]	1,38
Mass of pile per unit area	[g/cm ²]	1881
Thickness of above the substrate pile	[mm]	6,3
Surface pile density	[g/cm ³]	0,299
Relative surface pile density	[%]	21,6
NUMBER OF TUFTS OR LOOPS ISO 1763		
Number of specimen		4
Number of tufts or loops / 10 cm		
- in length direction		56,9
- in cross direction		73,2
Number of tufts or loops per dm ²		4165
Number of tufts or loops per m ²		416500
MASS LOSS - Lisson pedal wheel methode EN 1963 A		
Number of specimen		4
Mass loss per unit area		
- Mean value	[g/m ²]	9
- Coefficient of variation	[%]	7,3
- Confidence interval	[g/m ²]	1
Relative mass loss		
- Mean value	[%]	0,5
- Coefficient of variation	[%]	7,3
- Confidence interval	[%]	0,1
Tretradindex		8,2
BASIC REQUIREMENTS of textile floor coverings EN 1307		
Basic requirements - Pile carpet		
Colour fastness		Conformity has to be declared by the manufacturer for each colour
Fibrebind		
Mass loss	[%]	0,5
Basic requirements	[fulfilled / not fulfilled]	fulfilled

<p>CHANGES IN APPEARANCE - drum test ISO 10361</p> <p>Number of specimen Used Scale After 5 000 revolutions - Index of appearance change (Median) - Index of appearance change (Median) - Main reasons for change - Index of colour change (Mean value) After 20 000 revolutions - Index of appearance change (Median) - Index of appearance change (Median) - Main reasons for change - Index of colour change (Mean value) Damages by the treatment</p>	<p>2 ISO Cut (ISO – B)</p> <p>4,0 4,0 -- 3-4 3,0 3,0 -- 2-3 none</p>
<p>CLASSIFICATION of textile floor coverings EN 1307</p> <p>Classification of floor coverings with pile Index of appearance change - Short time test - Long time test Classification of change in appearance Classification of overall use class Classification of luxury rating class</p>	<p>1</p> <p>4,0 3,0 32 32 LC5</p>
<p>STATIC ELECTRICAL PROPENSITY - Walking test ISO 6356</p> <p>Number of specimen Testing climate - Temperature [°C] - Air humidity [%] Base plate Sole-material Pretreatment Body-Voltage - supplied condition - Test 1 [kV] - Test 2 [kV] - Test 3 [kV] - Mean value [kV] Judgement</p>	<p>1</p> <p>23 25 Isolating rubber mat on metal plate XS-664P Neolite none</p> <p>±0,1 ±0,1 ±0,1 ±0,1</p> <p>The tested sample in supplied condition can be classified as antistatic according EN 14041.</p>

ELECTRICAL RESISTANCES of textile floor coverings ISO 10965		
Number of specimen		3
Testing climate		
- Temperature	[°C]	23
- Air humidity	[%]	25
Measuring voltage		500
Horizontal resistance		
- Specimen 1 - 1st measurement	[Ohm]	$2,9 \times 10^{11}$
- Specimen 1 - 2nd measurement	[Ohm]	$5,9 \times 10^{11}$
- Specimen 2 - 1st measurement	[Ohm]	$1,8 \times 10^{11}$
- Specimen 2 - 2nd measurement	[Ohm]	$1,0 \times 10^{11}$
- Specimen 3 - 1st measurement	[Ohm]	$1,2 \times 10^{11}$
- Specimen 3 - 2nd measurement	[Ohm]	$7,5 \times 10^{10}$
- Geom. Mean value	[Ohm]	$2,3 \times 10^{11}$
ELECTRICAL RESISTANCES of textile floor coverings ISO 10965		
Number of specimen		3
Testing climate		
- Temperature	[°C]	23
- Air humidity	[%]	25
Measuring voltage		500
Vertical resistance		
- Specimen 1 - 1st measurement	[Ohm]	$2,2 \times 10^9$
- Specimen 1 - 2nd measurement	[Ohm]	$1,2 \times 10^9$
- Specimen 2 - 1st measurement	[Ohm]	$1,2 \times 10^9$
- Specimen 2 - 2nd measurement	[Ohm]	$1,4 \times 10^9$
- Specimen 3 - 1st measurement	[Ohm]	$2,5 \times 10^9$
- Specimen 3 - 2nd measurement	[Ohm]	$3,0 \times 10^9$
- Geom. Mean value	[Ohm]	$1,9 \times 10^9$

3 Remarks

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