

Test Report

Report Number:
975404-1-TEX



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Init.: CHF/LELN
Order no.: 975404
Encl.: 2

Assignor: Kvadrat A/S, Lundbergsvej 10 , DK-8400 Ebeltoft

Material: Upholstery fabric designated: Sisü. See enclosure A for detailed sample description.

Sampling: The assignor confirms having selected the product. The product was forwarded by the assignor and received at Danish Technological Institute on 12 April 2021.

Period: The test took place from 13 April 2021 to 29 April 2021.

Method: The test methods used are referenced in connection with the results. See enclosure B.

Test results: The results are shown in enclosure B.

Terms: This test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Place: Danish Technological Institute, Taastrup, Building and Construction

Signature: This document is only valid with a digital signature from Danish Technological Institute. The date of issue appears from the digital signature.

Charlotte Fischer
Senior Consultant



DIGITALLY SIGNED DOCUMENT

29 April 2021

DANISH TECHNOLOGICAL INSTITUTE





DANAK

TEST Reg.no. 2



Samples

Sample mark	Description	Photo
125	<p>Upholstery fabric Designated: Sisu, 0125 Fibre content: 91% Norweigan wool, 8% New Zealand wool, 1% nylon Approximate mass: 753 g/m²</p>	
175	<p>Upholstery fabric Designated: Sisu, 0175 Fibre content: 91% Norweigan wool, 8% New Zealand wool, 1% nylon Approximate mass: 748 g/m²</p>	



Results

Test of Upholstery fabric designated: Sisu

Determination of the abrasion resistance of fabrics by the Martindale method

Part 2: Determination of specimen breakdown

EN ISO 12947-2:2016

Test conditions: 21°C, 65% RH

Colour change: DS EN 20105-A02:1997/ISO 105-A02/cor2:2005:1997 (1-5 scale, 5 best rating)

Sample	Pre-treatment	Test parameters	Results [rubs]
125	(none)	Mass: 795 g Nominal pressure: 12 kPa End-point: Two broken threads	76 000 72 000 76 000 End result: 72 000 Colour change: Note 4 after 6000 rubs
175	(none)	Mass: 795 g Nominal pressure: 12 kPa End-point: Two broken threads	80 000 90 000 68 000 End result: 68 000 Colour change: Note 4-5 after 6000 rubs



Determination of fabric propensity to surface pilling, fuzzing and matting

Part 2: Modified Martindale method

EN ISO 12945-2:2020

1-5 scale, 5 best rating

Test conditions: 21°C, 65% RH

Evaluation:

EN ISO 12945-4:2020

Sample	Pre-treatment	Test parameters	Results							
			Property	Specimen	125	500	1000	2000	5000	7000
125	(none)	Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	Number of revolutions							
			Pilling	1	5	5	4	3-4	3-4	3-4
				2	5	5	4	3-4	3-4	3-4
				3	5	5	4	3-4	3-4	3-4
				Average	5	5	4	3-4	3-4	3-4
			Fuzzing	1	4-5	4	4	3-4	3-4	3-4
				2	4-5	4	4	3-4	3-4	3-4
				3	4-5	4	4	3-4	3-4	3-4
				Average	4-5	4	4	3-4	3-4	3-4
			175	(none)	Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	Number of revolutions				
Pilling	1	5				5	4	4	4	3-4
	2	5				5	4	4	4	3-4
	3	5				5	4	4	4	3-4
	Average	5				5	4	4	4	3-4
Fuzzing	1	4-5				4-5	4	4	4	3-4
	2	4-5				4-5	4	4	4	3-4
	3	4-5				4-5	4	4	4	3-4
	Average	4-5				4-5	4	4	4	3-4