

# Test Report

Report Number:  
258447-1-TEX



**DANISH  
TECHNOLOGICAL  
INSTITUTE**

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Init.: CHF/LELN  
Order no.: 258447  
Encl.: 0

**Assignor:** KVADRAT A/S, Lundbergsvej 10, DK-8400 Ebeltøft

**Material:** Sample of upholstery fabric designated: Diade. See page 2 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 24 May 2024.

**Period:** The test took place from 27 May 2024 to 31 May 2024.

**Method:** The test methods used are referenced in connection with the results. See page 3.

**Test results:** The results are shown from page 3 onwards.

**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, Environmental Technology


**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



**DANAK**  
TEST Reg.no. 2



## Samples

Sample mark	Description	Photo
1	Sample of upholstery fabric Designated: Diade Composition: 100% polyester (ocean bound) Approximate mass per area: 399 g/m <sup>2</sup>	



## Results

### *Test of Sample of upholstery fabric designated: Diade*

#### 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-A02:1997:1997 (1-5 scale, 5 best rating)

Sample	Pre-treatment	Test parameters	Results [rubs]
1	(none)	Mass: 795 g Nominal pressure: 12 kPa End-point: Two broken threads	75000 75000 80000  End result: 75000 Colour change: Note 4 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							
1	(none)	Number of test specimens: 3 Number of observers: 2 Abradant: Wool abradant fabric Loading mass: 415 g	Number of revolutions							
			Property	Specimen	125	500	1000	2000	5000	7000
			Pilling	1	5	5	4-5	4-5	4-5	4-5
				2	5	5	4-5	4-5	4-5	4-5
				3	5	5	4-5	4-5	4-5	4-5
				Average	5	5	4-5	4-5	4-5	4-5
			Fuzzing	1	4-5	4-5	4-5	4-5	4-5	4-5
				2	4-5	4-5	4-5	4-5	4-5	4-5
				3	4-5	4-5	4-5	4-5	4-5	4-5
				Average	4-5	4-5	4-5	4-5	4-5	4-5



## Determination of the slippage resistance of yarns at a seam in woven fabrics - Fixed load method

EN ISO 13936-2:2004

Test conditions: 21 °C, 65% RH

Sample	Performed on	Load [N]	Seam parallel to warp	Seam parallel to weft
1	Standard seam	180	5.5 mm seam opening <i>Average of 5 determinations</i>	3 mm seam opening <i>Average of 5 determinations</i>

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