



## Confidential Report

Our Ref: 29/03545A/02/25



Date: 20 March 2025

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**Client:** Kvadrat A/S

Lundbergsvej 10  
8400 Ebeltoft  
Denmark

**Job Title:** Piling Test On One Sample Of Fabric

**Clients Order Ref:** --

**Date of Receipt:** 24 February 2025

**Description of Sample:** One sample of fabric, referenced; Moss, Stated to be: 52% Cotton, 22% Viscose, 14% Polyacrylic, 6% Linen, 3% Nylon, 3% Polyester.

**Work Requested:** We were asked to make the following test(s):

BS EN ISO 12945-2:2020

- \* subcontracted test, UKAS accredited
- \*\* subcontracted test, EN ISO/IEC 17025 accredited
- \*\*\* not UKAS accredited

Note: This report relates only to the items tested.



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### Determination of Fabric Propensity to Surface Pilling, Fuzzing or Matting – Modified Martindale Method

Date of test: 12/03/2025

Three specimens from the sample were tested on a modified Martindale Abrasion Machine using wool abradant fabric and a loading weight of 415 ± 2g, as stated in Annex A, Table A.1, following the Category 1 procedure for upholstery fabrics described in BS EN ISO 12945-2:2020.

Pre-treatment: none  
 Deviations/ unusual features: -

The tested specimens were visually assessed by two observers and rated according to BS EN ISO 12945-4:2020.

No. of pilling rubs	Pilling				Fuzzing				Matting			
	Result 1	Result 2	Result 3	Mean	Result 1	Result 2	Result 3	Mean	Result 1	Result 2	Result 3	Mean
125	5	5	5	5	5	5	5	5	5	5	5	5
500	5	5	5	5	4-5	4-5	4-5	4-5	5	5	5	5
1000	5	5	5	5	4-5	4-5	4-5	4-5	5	5	5	5
2000	5	5	5	5	4-5	4-5	4-5	4-5	5	5	5	5
5000	5	5	5	5	4-5	4-5	4-5	4-5	5	5	5	5
7000	5	5	5	5	4-5	4-5	4-5	4-5	5	5	5	5

Expanded uncertainty of measurement where k= 2 (approximately 95% confidence level) = ± 0.5 grading units



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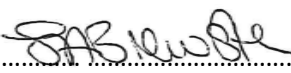
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Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

See our decision rules Policy (<https://www.bttg.co.uk/about-us/decision-rules-policy/>) for further information.

Reported by:.......... K Marshall, Section LeaderCountersigned by:.......... J Brewster, Section Leader

Enquiries concerning this report should be addressed to Customer Services.



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## Uncertainty Budget

The overall uncertainty budget for BS EN ISO 12945-2 is as follows:-

± 0.5 Grade



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