



## Confidential Report

Our Ref: 29/03499/12/24



Date: 03 January 2025

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**Client:** **Kvadrat A/S**

Lundbergsvej 10  
8400 Ebeltoft  
Denmark

**Job Title:** Martindale Abrasion Resistance Test on One Sample of Fabric

**Clients Order Ref:** --

**Date of Receipt:** 16 December 2024

**Description of Sample:** One sample of fabric, referenced; Kuri, Stated to be: 54% polyurethane, 28% polyester, 12% viscose, 6% silocone.

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

Martindale Abrasion - EN ISO 12947-2

- \* 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 the Abrasion Resistance of Fabrics by the Martindale Method – Part 2: Determination of Specimen Breakdown (BS EN ISO 12947-2: 2016)

Four specimens from the sample were tested, under a nominal pressure of 12 kPa(795±7g) in accordance with BS EN ISO 12947-2:2016, using a Martindale abrasion tester as described in BS EN ISO 12947-1:1998.

Foam was not used to back the test specimens. Specimen breakdown (end point) was reached when there was a hole in the fabric. The change of shade of the test specimens was assessed in accordance with ISO 105-A02.

### Individual results (number of rubs to end point)

>100,000  
>100,000  
>100,000  
>100,000

Observations during testing: No breakdown of a 5mm<sup>2</sup> hole occurred, therefore end point was not reached  
Assessment: maximum colour change at 3,000 rubs: grey scale 5  
Result\*: >100,000  
Type of fabric: Nonwoven fabric

\* The quoted result is the lowest individual test result of all the test specimens tested.



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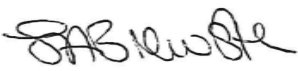
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Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

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 12947-2 is as follows:-

Specimen breakdown

± 20 %

Shade change

± 0.5 Grade



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