



Confidential Report

Our Ref: 29/03617A/06/25



Date: 23 July 2025

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Client: **Kvadrat A/S**
Lundbergsvej 10
8400 Edeltoft
Denmark

Job Title: Abrasion Test on One Sample of Fabric

Clients Order Ref: --

Date of Receipt: 23 June 2025

Description of Sample: One sample of fabric, referenced; Twisted Flower, stated to be: 90% new wool, worsted, 10% nylon.

Work Requested: We were asked to make the following test(s):
Abrasion Resistance - BS EN ISO 12947-2

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



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Note: This report relates only to the items tested.

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Our laboratories are accredited to EN ISO/IEC 17025.

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Abrasion Resistance Test: BS EN ISO 12947-2: 2016 12kPa pressure

Date of test: 25/06/25

Conditioning

Unless otherwise specified the sample has been conditioned and tested, where appropriate, in the standard atmosphere for conditioning and testing textiles (BS EN ISO 139:2005 + A1:2011) of 65±4% r.h. and 20±2°C.

Colour Change

Colour change grade at the number of rubs shown. Colour change grades range from 5 (no change) to 1 (severe change).

No. rubs	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Overall Result
3000	4-5	4-5	4-5	4-5	4-5

Specimen breakdown

Rubs to specimen breakdown (end point) observed using a magnification of approximately 10x. The overall result is the lowest individual result obtained during testing.

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Overall Result
No. rubs	>100,000	>100,000	>100,000	>100,000	>100,000
End point type	End point not reached	End point not reached	End point not reached	End point not reached	



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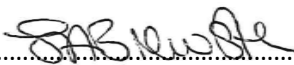
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Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

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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