



Shirley
Technologies
Limited

Confidential Report

Our Ref: 29/02664A/06/19



Shirley
Technologies
Limited

Shirley Technologies Limited
Wira House
West Park Ring Road
Leeds, LS16 6QL
United Kingdom

Tel: +44 (0)113 259 1999

Web: <http://www.shirleytech.com>
Email: info@shirleytech.co.uk

25 June 2019

Page 1 of 2

Our Ref: 29/02664A/06/19
Your Ref: LH/lh

Client: Kvadrat A/S

Address: Lundbergsvej 10
8400 Ebeltoft
Denmark

Job Title: Modified Martindale Pilling Test on One Sample of Fabric

Client's Order Ref:

Date of Receipt: 11 June 2019

Description of Sample(s): One part width sample of woven upholstery fabric, stated by the Client to be 70% new wool, 30% viscose and referenced by the Client:-

Hallingdal 65 103

Work Requested: Modified Martindale pilling test to EN ISO 12945-2

Note: this report relates only to the sample/s submitted and as described in this report.



Shirley
Technologies
Limited

Shirley Technologies Limited
Wira House
West Park Ring Road
Leeds, LS16 6QL
United Kingdom

Tel: +44 (0)113 259 1999

Web: <http://www.shirleytech.com>
Email: info@shirleytech.co.uk

25 June 2019

Page 2 of 2

Our Ref: 29/02664A/06/19
Your Ref: LH/lh

Client: Kvadrat A/S

Testing atmosphere: Unless otherwise specified the sample(s) 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.

Determination of Fabric Propensity to Surface Fuzzing and Pilling—Modified Martindale Method (#)

Specimens from the sample were tested on a modified Martindale Abrasion Machine, using wool abrasant fabric and a loading weight of 415 ± 2g. The specimens were tested for 500, 1,000, 2,000, 5,000 rubs, as stated in Annex A, Table A.1, following the Category 1 procedure for upholstery fabrics described in BS EN ISO 12945-2:2000. The specimens were visually assessed at the required intervals and rated according to Table 1 of the Standard, summarised as follows:-

- 5 - no change
- 4 - slight surface fuzzing and/or partially formed pills
- 3 - moderate surface fuzzing and/or moderate pilling
- 2 - distinct surface fuzzing and/or distinct pilling
- 1 - dense surface fuzzing and/or severe pilling

<u>Number of rubs</u>	<u>Pilling grade</u>	<u>Description</u>
500	3-4	pilling and fuzzing
1,000	3-4	pilling and fuzzing
2,000	3-4	pilling and fuzzing
5,000	3-4	pilling and fuzzing

Reported by:

.....*J. Bullers*.....

J M Bullers (Mrs)
Manager

(#) as agreed, the test was subcontracted to a UKAS accredited laboratory; this test is on their schedule of accreditation.