



Shirley
Technologies
Limited

Confidential Report

Our Ref: 29/02329A/01/18

Shirley Technologies Limited. Registered Office :
Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651.
VAT Number GB 816764800.
The supply of all goods and services is subject to our standard terms of
business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025





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6 February 2018

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Our Ref: 29/02329A/01/18
Your Ref: LH/lh

Client: Kvadrat A/S

Address: Lundbergsvej 10
8400 Ebeltoft
Denmark

Job Title: Martindale Abrasion Test on One Sample of Fabric

Client's Order Ref:

Date of Receipt: 11 January 2018

Description of Sample(s): One sample of woven upholstery fabric, referenced by the Client:-

**Melange Nap, 111, stated by the Client to be 97% new wool,
3% nylon, worsted**

Work Requested: Martindale abrasion resistance to EN ISO 12947

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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 the Abrasion Resistance of Fabrics by the Martindale Method – Part 2:
Determination of Specimen Breakdown (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 used to back the test specimens. Specimen breakdown (end point) was reached when two threads had completely broken. The change of shade of the test specimens was not assessed.

Individual results (number of rubs to end point)

≥100,000 **
≥100,000 **
≥100,000 **
≥100,000 **

Observations during testing: total removal of nap (fibrous surface) at 3,000 rubs
Result*: ≥100,000
Type of fabric: flat woven

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

** The test was discontinued at 100,000 rubs, end point had not been reached.

Reported by:

..... *L I Butler*

L I Butler (Mrs)
Senior Technician - Textiles

Countersigned by:

..... *J. Bullers*

J M Bullers (Mrs)
Operational Head – Textiles

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