



Shirley
Technologies
Limited

Confidential Report

Our Ref: 29/02876/10/20

Shirley Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
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15 October 2020

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Our Ref: 29/02876/10/20
Your Ref:

Client: Kvadrat A/S

Address: Lundbergsvej 10
8400 Ebeltøft
Denmark

Job Title: Abrasion Resistance on One Sample

Client's Order Ref: --

Date of Receipt: 02 October 2020

Description of Sample(s): One part width sample of woven upholstery fabric, stated by the Client to be 38% new wool, 9% nylon, 53% cotton and referenced by the Client:-

Crystal Field

Work Requested: BS EN ISO 12947 – Martindale abrasion resistance

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

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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 not used to back the test specimens. Specimen breakdown (end point) was reached when either two threads had completely broken or there was a fully worn off area of pile. 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: pills formed at approximately 8,000 rubs and continued throughout the test

Result*: ≥100,000

Type of fabric: Uncut pile fabric

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

Reported by:

..... *L I Butler*

L I Butler (Mrs)
Senior Laboratory Technician

Countersigned by:

..... *J M Bullers*

J M Bullers (Mrs)
Manager

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