



Shirley
Technologies
Limited

Confidential Report

Our Ref: 29/02516A/10/18

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15 November 2018

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Our Ref: 29/02516A/10/18
Your Ref:

Client: SAHCO GmbH

Address: Kreuzburger Straße 17-19
90471 Nürnberg
Germany

Job Title: Determination of Abrasion Resistance on One Sample of Fabric

Client's Order Ref:

Date of Receipt: 16 October 2018

Description of Sample(s): One full width sample of woven fabric referenced by the Client:-
Clay 2802-09

Work Requested: Martindale abrasion resistance – BS EN ISO 12947-2

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 two threads had completely broken. The change of shade of the test specimens was assessed in accordance with ISO 105-A02.

Individual results (number of rubs to end point)

45,000
45,000
45,000
45,000

Observations during testing: pills formed at approximately 3,000 rubs and continued throughout the test; these were cut off at intervals

Assessment: maximum colour change at 3,000 rubs: grey scale 2

Result*: 45,000

Type of fabric: flat woven

* 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 Technician - Textiles

Countersigned by:

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

J M Bullers (Mrs)
Operational Head – Textiles

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