



Shirley
Technologies
Limited

Confidential Report

Our Ref: 29/02282A/10/17

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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28 November 2017

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Our Ref: 29/02282A/10/17
Your Ref:

Client: Gudbrandsdalens Uldvarefabrik as

Address: P.O Box 836
NO-2626 Lillehammer
Norway

Job Title: Determination of Abrasion Resistance on One Sample

Client's Order Ref:

Date of Receipt: 20 October 2017

Description of Sample(s): One full width sample of woven fabric referenced by the Client:-
Quality 5215 Heddal Stitched

Work Requested: ISO 12947-2:2016, Martindale abrasion.

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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 not assessed.

Individual results (number of rubs to end point)

110,000
≥200,000 ⁽¹⁾
≥200,000 ⁽¹⁾
140,000

⁽¹⁾ - the test was discontinued at 200,000 rubs – end point was not reached.

Result*: 110,000
Type of fabric: woven fabric (without pile)

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

Reported by:

..... *J. Bullers*

J M Bullers (Mrs)
Operational Head – Textiles

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