



Wira House, West Park Ring Road,  
Leeds, LS16 6QL, UK.  
Telephone: +44 (0)113 259 1999  
Email: [info@bttg.co.uk](mailto:info@bttg.co.uk)  
Website: [www.bttg.co.uk](http://www.bttg.co.uk)

Date: 12 September 2019

Our Ref: 56756-1-2  
Your Ref: -

Page: 1 of 3

Job Title: Abrasion Resistance of One Sample

Client's Order No: -

Date of Receipt: 29 August 2019  
Date of Test Start: 30 August 2019

Description of Sample(s): One sample identified as follows was received for testing:  
3699.11

Work Requested: We were asked to make the following test:  
Abrasion resistance to BS EN ISO 12947-2: 1998 (withdrawn) as modified by Annex A of  
BS EN 14465: 2003

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





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Sample was identified as follows:

3699.11

Conditioning

All materials used were conditioned for a minimum of 24 hours at  $20 \pm 2$  °C and  $65 \pm 4$  % relative humidity before testing in the same atmosphere.

Abrasion Resistance Test: BS EN ISO 12947-2: 1998 (withdrawn) as modified by Annex A of BS EN 14465: 2003

Colour Change

Colour change grade at the number of rubs shown. Colour change grades range from 5 (no change) to 1 (severe change).

Fabric breakdown

Rubs to end point (observed using a magnification of approximately 10x). The result is the lowest value at the inspection interval before specimen breakdown is observed.

The results for all tests are given in the table(s) on the following page(s).

Reported by: *L.I. Butler*

L I Butler (Mrs)

**Senior Laboratory Technician**

Countersigned by: *J. Bullers*

J M Bullers (Mrs)

**Manager**

Enquiries concerning this report should be addressed to Customer Services.



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TESTING • CERTIFICATION • AUDITING

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RESULTS

Sample Ref: 3699.11

Abrasion Resistance Test: BS EN ISO 12947-2: 1998 (withdrawn) as modified by Annex A of BS EN 14465: 2003

Colour Change

No. rubs	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Result
3000	4	4	4	4	4

Requirements of BS 2543: 2004(2015) – Upholstery fabrics for end use application:

Must not be lower than Grade 3 after 3000 rubs.

Specimen breakdown

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Result
No. rubs	≥100 000	≥100 000	≥100 000	≥100 000	≥100 000
End point type	-	-	-	-	

Requirements of BS 2543: 2004(2015) – Upholstery fabrics for end use application-Classification (min rubs to lowest end point)

	LD	GD	HD	GC	SC
Flat weave	15 000	20 000	25 000	30 000	40 000
Pile	15 000	20 000	25 000	25 000	30 000
Figured weave	12 000	15 000	20 000	30 000	40 000

LD = Light domestic    GD = General Domestic    HD = Heavy Domestic    GC = General Contract    SC = Severe Contract



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