

## Chieftain Fabrics

Trim  
Co.Meath  
Ireland

Our Ref: **TFTXF71933**

Date: 30 March 2017

Delivery Date: 03 March 2017

Test Dates: 06 - 29 March 2017

For the attention of Sinead Doyle

## SAMPLE(S) FOR TEST:

One, Coated fabric – Ref: Lionella

*Note: The above descriptions are as supplied by the client and have not been verified by FIRA who can take no responsibility for the accuracy of the description.*

## TEST REQUIREMENTS:

Determination of abrasion – BS EN ISO 5470-2: 2003, Method 1

## RESULT:

Performance Level A

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# TECHNICAL REPORT

## DESCRIPTION

Item: One, Coated fabric – Ref: Lionella

Initial Inspection: Condition as new

Conditioning: In accordance with BS 3424: Part 2: 1992 ISO 2231: 1989; >16 hours at 20±2°C & 65±5% relative humidity.

Testing: In accordance with BS EN ISO 139: 2005+ A1:2011 20±2°C & 65±4% relative humidity.

## TEST RESULTS

### **RUBBER- OR PLASTICS-COATED FABRICS – DETERMINATION OF ABRASION RESISTANCE – PART 2: MARTINDALE ABRADER BS EN ISO 5470-2: 2003, Method 1.**

Specimen failure, defined in BS EN 15618: 2009 as a damage rating greater than grade 2 occurred at:

Specimen A	500,000 cycles
Specimen B	500,000 cycles
Specimen C	500,000 cycles
Specimen D	500,000 cycles

Overall result 500,000 cycles

At 500,000 cycles the damage rating assessed as in BS EN ISO 5470-2: 2003 was grade 3.\*

At 204,800 cycles the damage rating assessed as in BS EN ISO 5470-2: 2003 was grade 2.

\*the sample did not pass BS EN 15618: 2009 at 500,000cycles. Small craters were observed in the surface of the coating and the sample appeared discoloured.

*The abrasion resistance is evaluated by the end point method without magnification. The specimens were mounted in specimen holders without foam backing and the specimen pressure used for upholstery use applications is 12kPa.*

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## CONCLUSION

The material properties for BS EN 15618: 2009 indicates that this fabric reaches a performance level of:

Test performed	Performance level
BS EN ISO 5470-2: 2003	A

*A Grading Assessment Tolerance of +/-0.5 of grade is applicable for all damage rating assessments due to their subjective nature. This uncertainty was not applied to the reported results and therefore it needs to be considered when determining compliance with a specification.*

Tested by: Gemma Buffham  
Reported by: Deme-Daisy Clarke-Phipps  
Approved by: Gemma Buffham  
Senior Technician

\*\*\*\*\* End of Report \*\*\*\*\*