

Our Ref: SW/BR

2 December 2022

**Report 399914/2**

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Camira Fabrics Limited  
Meltham Mills  
Meltham  
Huddersfield  
West Yorkshire  
HD9 4AY

Contact: Luke Russell

DATE RECEIVED : 23 NOV 2022  
 QUALITY/REFERENCE : REVOLUTION  
 REPUTED FIBRE CONTENT : NOT GIVEN  
 FABRIC DESCRIPTION : WOVEN  
 COLOUR/DESIGN : LIGHT VO112D  
 STYLE NUMBER : 507070  
 ORDER NUMBER : 83A20092

PERFORMANCE STANDARD : GENERAL

TEST PERFORMANCE DATE(S) : 02/12/2022



**REPORT SUMMARY**

Tests	Method	Pass	Fail	Requirement
Resistance to abrasion	BS EN ISO 12947-2:2016 Abrasion			No requirement

**S. WISEMAN**  
**LABORATORY DIRECTOR**



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*This report may not be reproduced except in full without the written approval of HSTTS. In all circumstances results of tests are implied as referring only to the sample supplied and should not be construed or interpreted on any other basis. The comments given in the report are for guidance only and are not a part of the results. Where specified in a test method, preconditioning in accordance with ISO 139 is not carried out as samples are exposed to the conditioning atmosphere specified within ISO 139 for a minimum of 16 hours prior to test.*

*Conformity statements for tests marked ‡ are subject to the application of the decision rules set out in Annex A of this report and information on the measurement uncertainty for the relevant test(s) is provided within this test report.*



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**PHYSICAL**
**BS EN ISO 12947-2:2016 Abrasion**

12 kPa load. End point: 2 threads broken (Woven)

Requirement:

No requirement

Number of rubs to breakdown:	
Head 1	100,000+
Head 2	100,000+
Head 3	100,000+
Head 4	100,000+
Shade change after 3,000 rubs:	Grade 4-5



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**ANNEX A: DECISION RULES**

In accordance with the requirements of BS EN ISO 17025:2017 it is necessary for the decision rules applied to each test carried out to be agreed with the customer and reported. The following decision rules have been applied by default unless stated to the contrary in this test report.

Rule 1	<p>Applicable to any requirement stated to be 'Minimum xxxx' or 'Maximum xxxx' or stated to be a range (e.g. XXX to YYY or AAA ± B):</p> <p>The use of constrained simple acceptance based on the difference between a stated limit (requirement) and the reported test result being greater than the measurement uncertainty (U) for a conformity probability of 95%. The risk of false accept or false reject is 2.5%</p>
Rule 2	<p>For tests based on subjective grading of a result using a 9-point scale (e.g. colour fastness, pilling, etc):</p> <p>Simple acceptance based on the test uncertainty ratio (T.U.R.) being &lt;4. The risk of false accept or false reject is up to 50% but will be reduced the further the reported result is away from the stated requirement.</p>
Rule 3	<p>For tests based on a subjective assessment of a property (e.g. whether a component detaches or not):</p> <p>Simple acceptance based upon the conditions of testing falling within the criteria for test set out in the test method within a conformance probability of 95%. The risk of false accept or false reject of the testing conditions not meeting the specified requirements is 2.5%.</p>
Rule 4	<p>If a validated test method (e.g. BS EN ISO standard) indicates that the measurement uncertainty has already been taken into account when calculating the test result then results may be reported using simple acceptance without the need for the application of the relevant decision rule set out above.</p>

Any decision rule proposed by the client must satisfy the requirements of ISO 17025:2017 to include consideration of the measurement uncertainty and has been included within the test report. The company is obliged to refuse to apply decision rules that do not satisfy the requirements of BS EN ISO 17025:2017.



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