



Confidential Report

Our Ref: 44798-2



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Notified Body
for PPE Directive,
Construction Products Regulation
& Marine Equipment Directive
I.D. No. 0338 & 0339



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Date: 20 April 2017

Our Ref: 44798-2
Your Ref: 60310

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Client: Camira Fabrics LTD
Meltham Mills
Meltham
West Yorkshire
HD9 4AY

Job Title: Testing of one fabric

Client's Order No: 60310

Date of Receipt: 24 March 2017
Date of Test Start: 12 April 2017

Description of Sample(s): One fabric referenced by the client as:
Vita, colour: plum, Run 330371

Work Requested: We were asked to make the following test:
Flexing to ISO 7854: 1997 Method B



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Camira Fabrics LTD

Sample: Vita, colour: plum, Run 330371

Laboratory Work

The tests were made in Standard Atmosphere (65 ± 4 % relative humidity at 20 ± 2 °C) the sample having been freely and continuously exposed to that atmosphere for at least 24 hours prior to testing. Specimens have been taken from the sample as described in the specified standards.

Resistance to Damage by Flexing


Flex cracking resistance was tested following the procedure in Method B – Schildknecht method, of EN ISO 7854: 1997 (BS 3424: Part 9: 1996), "Rubber- or plastics-coated fabrics – Determination of resistance to damage by flexing". Three specimens, in each direction, were tested for a predetermined number of cycles. At the client's request, the specimens were to be inspected at 400 000 cycles.

The flexing damage was assessed according to the following methods.


The overall appearance of the specimens was assessed for deterioration considering all visible factors such as wrinkling, cracking, flaking and discolouration. Specimens were graded, without magnification, using the 4 part numerical scale.

Each specimen was examined, under magnification, to determine depth, length and number of cracks. Depth of cracking was assessed using the descriptive scale. The length of the longest crack (mm) and the number of cracks have been reported.

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

Reported by: 

Mrs S Jones
Laboratory Technician

Countersigned by: 

Mr P Hutchings
Operational Head

Enquiries concerning this report should be addressed to Customer Services.



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TESTING • CERTIFICATION • AUDITING

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Camira Fabrics LTD

RESULTS

Sample Ref: Vita Run 330371 colour plum

ASSESSMENT OF SCHILDKNECHT FLEX DAMAGE AT 400 000 CYCLES						
Specimen Number	1	2	3	4	5	6
Deterioration in Appearance	1-2	1-2	1-2	1-2	1-2	1-2
Type of damage (if any)	Slight - Moderate creasing / wrinkling	Slight - Moderate creasing / wrinkling	Slight - Moderate creasing / wrinkling	Slight - Moderate creasing / wrinkling	Slight - Moderate creasing / wrinkling	Slight - Moderate creasing / wrinkling
Depth of Cracking	A	A	A	Nil	A	A
Number of Cracks Of The Lowest Grade	3	1	2	0	7	3
Length Of Longest Crack of The Lowest Grade (mm)	1	1	1	0	1	2

Grading

Deterioration In appearance

0	None
1	Slight
2	Moderate
3	Severe

Depth of Cracking

Nil	no cracking
A	surface or finish crack, not exposing the cellular or middle layer
B	cracking into but not right through the middle layer, or, in the case of single-layer coatings, not exposing the base fabric
C	cracking through to the base fabric
D	cracking right through the material



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