



Confidential Report

Our Ref: E-004573/A



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



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Manchester, M17 1EH, UK.
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Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 05 July 2018

Our Ref: E-004573/A
Your Ref:

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Client: Drew Brady & Co. Ltd.
Dove Mill
Dove Road off Deane Church Lane
Deane
BOLTON
BL3 4ET

Job Title: Thermal resistance tests on one sample

Client's Order No: -

Date of Receipt: 19th June 2018
Date of Test Start: 28th June 2018

Description of Sample(s): Two pairs of one black coloured, knitted sock sample, identified as follows, were received for testing:

Heat Holders Originals

Work Requested: We were asked to make the following test:

Tog rating according to BS 4745 – Two-plate Method



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Drew Brady & Co. Ltd

Sample was identified as follows:

Heat Holders Originals

Laboratory Work

The tests were made in Standard Atmosphere ($65 \pm 4\%$ relative humidity at $20 \pm 2^\circ\text{C}$) 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, except where indicated otherwise.

Thermal Resistance (Two-plate method)

Thermal resistance was measured according to the two-plate, fixed opening procedure of BS 4745: 2005, "Determination of the thermal resistance of textiles – Two-plate method: fixed pressure procedure, two-plate method: fixed opening procedure, and single-plate method".

The temperature drop across the standard thermal resistance and across the test specimen was measured, and from the values obtained the thermal resistance of the specimen was determined.

Thermal resistance was measured with the gap between the cold plate and the standard thermal resistance set to the average thickness of the specimen. The thickness was determined based on the procedure detailed in BS EN ISO 5084: 1997, using a Shirley Thickness Gauge with an applied pressure of 6.9 Pa and a presser foot with an area of 50cm².

Three specimens were tested.

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



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Drew Brady & Co. Ltd

RESULTS

Sample Ref: Heat Holders Originals

THERMAL RESISTANCE (Two-plate)				
	Individual Results			Mean
Tog	2.87	2.46	2.58	2.64
Thickness (mm)	13.41	11.74	11.77	12.31
Togs/cm	2.14	2.10	2.19	2.14

Note: This report relates only to the samples submitted and as described in the report.

Reported by: 

Miss E Goodfellow
Laboratory Technician

Countersigned by: 

Mr P Hutchings
Operational Head

Enquiries concerning this report should be addressed to Customer Services.



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