



Confidential Report

Our Ref: E-032324/C





TESTING • CERTIFICATION • AUDITING

Oxford Safety Supplies

Client: Oxford Safety Supplies
Olympic House
Collet
Southmead Park
Didcot
Oxon
OX11 7WB

Job Title: Testing of hardware

Client's Order No: -

Date of Receipt: 19th February 2024
Date of Test Start: 18th March 2024

Description of Sample(s): Hardware, identified as follows, was received for testing:

"Enduro" Print on Jacket
Retroreflective Print PI 2200 on N038N Advance Baselayer
Velcro YKK 414538/4145355 on N038N Advance Baselayer

Work Requested: We were asked to make tests according to the following standard:

EN ISO 11612: 2015
Clause 6.3.2.3 Limited flame spread (hardware)
After 5 wash/dry cycles according to EN ISO 6330 (40°C with line drying)

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Manchester, M17 1EH, UK.
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Date: 16 April 2024

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Sample: "Enduro" Print on Jacket
 Retroreflective Print PI 2200 on N038N Advance Baselayer
 Velcro YKK 414538/4145355 on N038N Advance Baselayer

Performance Standard: EN ISO 11612: 2015 Clause 6.3.2.3 Limited flame spread (hardware)

Test Method: The flammability performance of the hardware on the garments submitted was examined according to the principles of EN ISO 15025: 2016 Procedure A – Surface ignition. The results obtained in terms of the duration of afterflame and afterglow, whether or not the component holed and whether or not the component gave flaming or molten debris, are given in the table below.

Cleansing Pre-treatment: Five wash/dry cycles according to EN ISO 6330: 2021 Procedure 4N (40°C) with line drying (Procedure A).

Summary of Results/Assessment:

EN ISO 11612: 2015 Clause 6.3.2.3 performance requirements:

- No flaming or molten debris
- Afterglow time ≤ 2s
- Afterflame time ≤ 2s
- Closure system to open at least once

Three specimens were tested, with identical results obtained from each specimen.

Specimen	Afterflame time	Afterglow time	Holing?	Flaming or molten debris?	Closure system opens	Pass/Fail
Print on Jacket (e)	0s	0s	No	No	N/A	Pass
Print PI 2200 on N038N Advance (e)	0s	0s	No	No	N/A	Pass
Velcro YKK 414538/4145355 on N038N Advance (c)	0s	0s	No	No	Yes	Pass

(e) – tested exposed, (c) – tested covered

Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our policy we have used a non-binary decision rule. See our decision rules policy (<http://www.bttg.co.uk/decision-rules-policy>) for further information.

Reported by: *Alex Newton* A Newton, Senior Customer Services Officer

Countersigned by: *M T Healey* M T Healey, Principal Technician

Enquiries concerning this report should be addressed to Customer Services.



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Appendix A

EN ISO 11612: 2015 Annex E: Uncertainty of Measurement:

EN ISO 11612 Clauses	Test Method	95% Confidence limit
5.2 Pre-treatment	Domestic washing: EN ISO 6330: 2021	Chaotic Processes Not applicable
6.3.2.3 Flame spread	EN ISO 15025:2016	± 5.0%

* These uncertainty values are based on a standard uncertainty multiplied by a coverage factor k=2, which provides for a confidence level of approximately 95%.

