Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

4112

Accredited to ISO/IEC 17025:2017

A W Hainsworth & Sons Ltd

Issue No: 022 **Issue date:** 22 October 2026

Spring Valley Mills
Stanningley
Pudsey
West Yorkshire
LS28 6DW

Contact: Nigel Birch
Tel: +44 (0)113 3955 655
Email: nigelbirch@awhainsworth.co.uk
Website: www.awhainsworth.co.uk

Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FABRICS	Physical Tests	
	Woven fabrics – Determination of number of threads per unit length	BS EN 1049-2:1994 Methods A & B IHM EP001:Jan 2007 based on BS EN 1049-2:1994 Method A (withdrawn)
	Woven fabrics – Determination of number of threads per unit length	BS EN ISO 7211-2:2024 Excluding Method C
	Fabrics – Determination of width and length	BS EN 1773:1997 BS ISO 22198:2006
	Woven fabrics – Determination of mass per unit length and mass per unit area	ISO 3801:1977 (method 5 only)
	Fabrics – Determination of mass per unit area using small samples (Conditioned weight only)	BS EN 12127:1998
	Abrasion resistance of fabrics by the Martindale method	BS EN ISO 12947-2:2016 BS EN ISO 12947-2:1998 (withdrawn)
	Upholstery fabrics – Abrasion resistance (breakdown)	BS EN 14465:2003+A1:2006 – Annex A
	Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method)	ASTM D4966:2022
	Abrasion resistance of protective clothing material	BS EN 530:1995 (withdrawn) BS EN 530:2010

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FABRICS (cont'd)	Physical Tests (cont'd)	
	Tensile properties of fabrics. Part 1: Determination of maximum force and elongation at maximum force using the strip method	BS EN ISO 13934:Part 1:1999 (withdrawn) BS EN ISO 13934:Part 1:2013
	Breaking Strength and Elongation of Textile Fabrics (Grab Test)	ASTM D5034:2021
	Tensile properties of fabrics. Part 2: Determination of maximum force using the grab method	BS EN ISO 13934-2:2014
	Tear properties of fabrics – Part 2: Determination of tear force of trouser-shaped test specimens (Single tear method)	BS EN ISO 13937-2:2000
	Tear properties of fabrics – Part 3: Determination of tear force of wing shaped test specimens (Single tear method)	BS EN ISO 13937-3:2000
	Tear properties of fabrics — Part 4: Determination of tear force of tongue-shaped test specimens (Double tear test)	BS EN ISO 13937-4:2000
	Rubber or plastics-coated fabrics – determination of tear resistance. Part 1: Constant rate of tear methods. (A-Tongue & B-Trouser)	BS EN ISO 4674-1:2003 Method B (withdrawn) BS EN ISO 4674-1:2016 Methods A & B
	Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)	ASTM D2261 2013: R2024
	Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus	ASTM D1424: 2021
	Tear properties of fabrics — Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)	BS EN ISO 13937-1:2000

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FABRICS (cont'd)	Physical Tests (cont'd)	
	Method for determination of Skew	IHM EP002:Nov 2007 based on BS 2819: 1990
	Method for determination of the propensity of fabrics to snagging. Rotating chamber method	BS 8479:2008
	Determination of fabric propensity to surface pilling, fuzzing or matting — Part 1: Pilling box method	BS EN ISO 12945-1:2020
	Determination of fabric propensity to surface pilling, fuzzing or matting — Part 2: Modified Martindale method	BS EN ISO 12945-2:2020
	Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester	ASTM D4970:2022
	Domestic Washing and Drying Procedures	BS EN ISO 6330:2001 (withdrawn) Washing Procedures 1-9A inclusive Drying procedure E only
		BS EN ISO 6330:2012 (withdrawn) Wash procedures Annex B, Table B.1, Machine type A, (9N, 7N, 6N, 6M, 5N, 5M, 4N, 4M, 4G, 3N, 3M, 3G, 4H). Drying method F (tumble dryers), Annex G.
		BS EN ISO 6330:2021
	Preparation, Measuring and Marking	BS EN ISO 3759:2008 (withdrawn) BS EN ISO 3759:2011
	Determination of dimensional change in washing and drying	BS EN ISO 5077:2008
PROTECTIVE CLOTHING	Protection against liquid chemicals — Test method for resistance of materials to penetration by liquids	BS EN ISO 6530:2005

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FABRICS	Colour Fastness to:	
	Water	BS EN ISO 105:E01:2013
	Sea Water	BS EN ISO 105:E02:2013
	Perspiration	BS EN ISO 105:E04:2013
	Rubbing	BS EN ISO 105:X12:2016
	Crocking	AATCC TM008: 2016e
	Dimensional Stability to:	
	Free Steam	BS 4323:1979 ISO 3005:1978
	Water	BS 4736:1985 ISO 7771:1985
	Water Repellency: Spray Test	AATCC TM022: 2017e
	Determination of resistance to surface wetting (spray test)	BS EN ISO 4920:2012
	pH Textiles. Determination of pH of aqueous extract.	BS EN ISO 3071:2020
Aircraft cabin & cargo compartment materials	Flame resistance	CS/FAR/JAR 25.853 Appendix F, Part 1, (a)(1)(i), (a)(1)(ii) DOT/FAA/AR-00/12 (Chapter 1) April 2021
END		