

TEST MATERIALS



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James Heal

Extraordinary Testing Solutions

At James Heal, we combine expertise, design and innovation to create "extraordinary testing solutions".

Leaders in our field, we manufacture testing instruments and test materials and we offer service and calibration throughout the world.

Setting the Standard

Genuine innovators, we utilise the expertise and knowledge of a talented team of industrial, mechanical and electronic designers, software writers, production engineers and testing experts to create our products and services.

Our aim is to eliminate the myths, complexities and inaccuracies of conventional instruments, test materials and calibration procedures.



Test Materials

Our test materials are manufactured, processed and tested in our own purpose-built Test Materials Centre, where we have facilities for warping, weaving, inspection, cutting, stamping and sewing, as well as for physical and colour fastness testing.



Pedigree

We have been developing testing solutions for over 140 years and we use our accumulated knowledge and experience to develop customer centred products.

All of our test instruments and test materials comply with relevant standards and specifications and we work directly with industry leaders to ensure we design products with you in mind.

Bespoke Products

Having a modern, well-equipped and flexible manufacturing facility, allows us to produce variants on standard products or develop totally new product lines. Please talk to us about any special needs that you may have.

Quality Assurance

Two, well-equipped, ISO 17025-compliant, in-house laboratories are utilised to check systematically every batch of product. We have a 'zero tolerance' to non-conformance and product is not released unless it meets the specification.

Quality and consistency from batch to batch are further assured by the use of external UKAS-accredited test houses and by carrying out a range of carefully selected performance tests.

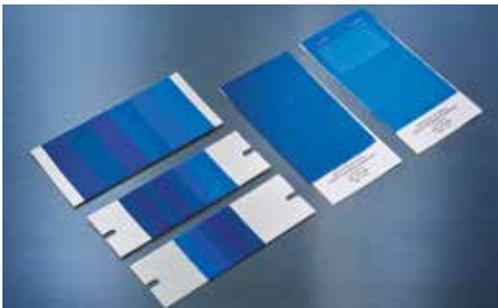
Global Network

We have agents and distributors in over 60 countries so you can order products locally and pay in your local currency. You can find your nearest distributor in the Contact section of our website.

Blue Wools

Blue wools are used for light and weathering fastness testing.

They are individually dyed wool pieces, each with a different degree of fastness to light.



We supply Blue Wools in pieces or in strips bonded to card to accommodate your preferences. We can develop bespoke cards to meet your exact needs.

European

Our 'European' Blue Wools Standards (ISO 105-B08) originate from DEK. This German

organisation holds the global master standard for Blue Wools and every batch produced is checked for compliance before it is released.

American

The corresponding American Blue Wools originate from AATCC.

Code	Blue Wools – European
766-310	ISO Blue Wool Standards Nos. 1 - 8 - per set (8)
766-820	ISO Blue Wool Standards Nos. 1-8 [pre-mounted 10mm wide strips on card] - per pack (10 cards)
Code	Blue Wools and Fading Standards – American
766-516	AATCC Lightfastness Standard L-2 - per pack (50 x 75cm)
766-517	AATCC Lightfastness Standard L-4 - per pack (50 x 75cm)
766-521	AATCC Standard of Fading for L-2 - each
766-522	AATCC Standard of Fading for L-4 - each

Please see Product Codes on pages 14 – 22 for a more comprehensive list of the test materials that we offer.

TruFade Xenon arc light fastness tester

TruFade makes life simpler by bringing a totally fresh approach to light fastness testing.

The convenient height, the wide opening chamber and the superb software add up to a machine designed for you.



Cotton Lawn/Crocking Cloth

Crocking cloth, also known as cotton lawn or cotton rubbing cloth, is used in a Crockmaster (Crockmeter) to check the amount of dye transfer, following a dry or wet rub fastness test.



Colour fastness to rubbing is the most basic of colour fastness tests. The dyed sample is rubbed, under controlled conditions, against the white crocking cloth. Subsequently, the degree of colour transfer is evaluated using a Grey Scale for assessed Staining.

We manufacture both ISO and AATCC cloths in accordance with their different specifications.

We supply either cut pieces or in roll form. Cut pieces can be ordered with either straight or gimped edges.

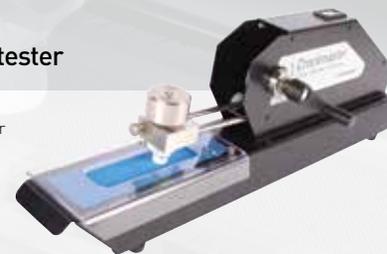
Code	Cotton Lawn/Crocking Cloth – European
702-541	Cotton Lawn - per pack (1m) approx. 140cm wide
702-540	Crocking Cloths - per pack (500 pieces) 5 x 5cm (straight edges)
702-545	Crocking Cloths - per pack (500 pieces) 5 x 5cm (gimped/zig-zag edges)
Code	Cotton Lawn/Crocking Cloth – American
702-456	AATCC Crocking Cloth - per pack (1m) approx. 140cm wide
702-424	AATCC Crocking Cloths - per pack (1000 pieces) 5 x 5cm (straight edges)
702-426	AATCC Crocking Cloths - per pack (1000 pieces) 5 x 5cm (gimped/zig zag edges)

Please see Product Codes on pages 14 – 22 for a more comprehensive list of the test materials that we offer.

Crockmaster Colour fastness to rubbing tester

Crockmaster is available as either a manual or motorised device.

The rubbing finger is easy to load with crocking cloth and the specimen clamp is suitable for a variety of materials.



Detergents

We manufacture a comprehensive range of standardised soap and detergents, used for colour fastness and shrinkage testing. They are specified in many European, International and American standards.



Production

We have sophisticated production facilities, overseen by textile technologists, who ensure that the composition and performance of products are fully compliant with the specifications.

Packaging

Our soaps and detergents are delivered in convenient and sturdy plastic tubs (2kg) or fibre drums (15 or 90kg), each labelled with a precise description and the relevant standards.

Code	Detergents – European
706-652	ECE Formulation Non-Phosphate Reference Detergent (A) Without Optical Brightener - per tub (2kg)
706-666	IEC Formulation Non-Phosphate Reference Detergent (A) With Optical Brightener - per tub (2kg)
706-650	ECE Formulation Phosphate Reference Detergent (B) Without Optical Brightener - per tub (2kg)
706-654	IEC Formulation Phosphate Reference Detergent (B) With Optical Brightener - per tub (2kg)
Code	Detergents – American
706-500	AATCC 1993 Non-Phosphate Reference Detergent With Optical Brightener - per tub (2kg)
706-502	AATCC 1993 Non-Phosphate Reference Detergent Without Optical Brightener - per tub (2kg)

Please see Product Codes on pages 14 – 22 for a more comprehensive list of the test materials that we offer.

Wascator Standardised European washing machine

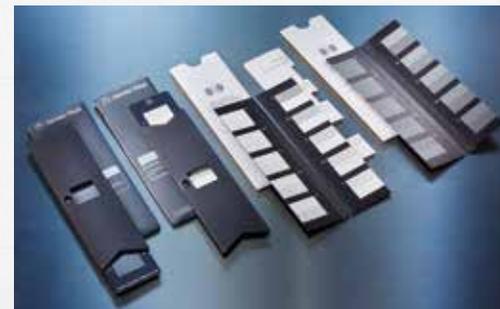
Wascator is the standard reference washing machine for textile laboratories.

It is used to determine fabric or garment shrinkage and appearance, after washing with standardised detergents.



Grey Scales

Grey scales are used for assessing colour change and staining during colour fastness testing. Both scales are used for visual assessment to enable you to specify a rating from 1 to 5.



Colour Change

The colour change scale consists of nine pairs of grey coloured chips, from grades 1 to 5 (with four half steps). Grade 5 represents no change and Grade 1 depicts severe change in some standards.

Staining

The staining scale consists of nine pairs of grey and white coloured chips from grades 1 to 5 (with four half steps).

Code	Grey Scales
766-200	Grey Scale for assessing Change in Colour ISO 105 A02
766-201	Grey Scale for assessing Staining ISO 105 A03
766-205	Grey Scale for assessing Change in Colour JIS (Japanese)
766-204	Grey Scale for assessing Staining JIS (Japanese)
766-512	Gray Scale for Color Change AATCC
766-513	Gray Scale for Staining AATCC
766-510	Chromatic Transference Scale (9 step) AATCC

Please see Product Codes on pages 14 – 22 for a more comprehensive list of the test materials that we offer.

Thermaplate Colour fastness and stability tester

Thermaplate is used in the laboratory to evaluate colour fastness to dry heat, hot pressing and sublimation.

Thermaplate complements our suite of colour fastness testing instruments.



Makeweights

Makeweights, also known as 'Ballast' or 'Loading Fabrics' are used to make up the load in washing, dry cleaning, drying or durability tests.



Compliance with Standards

We manufacture Makeweights to the precise specifications demanded by various ISO standards.

We also supply American Makeweights as specified in AATCC Test Methods.

Bespoke Products

In addition to standard Makeweights, we are flexible and willing to produce non standard components. Please contact us if you have special requirements.

Code	Makeweights/Loading Fabrics/Ballast – European
702-530	Polyester Makeweights - per pack (1kg) - 300 x 300mm, 40g approx
702-532	100% Polyester Ballast [Type 3] - per pack (1 kg) - 210 x 210mm, piece mass 50g
702-536	100% Cotton Ballast [Type 1] - per pack (1 kg) - 92 x 92cm, piece mass 320g
702-535	80/20% Wool/Cotton Ballast suitable for EN ISO 3175-2:2010 - per pack (1 kg)
Code	Ballast – American
702-430	AATCC Ballast Type 1 - per pack (16)
702-432	AATCC Ballast Type 3 - per pack (16)

Please see Product Codes on pages 14 – 22 for a more comprehensive list of the test materials that we offer.

Accudry Standardised European tumble dryer

Accudry is the perfect partner for Wascator, providing you with repeatable and standard conditions for both washing and drying.

This air-vented tumble dryer is designed to reduce machine and operator variables to a minimum.



Martindale Test Materials

The Martindale test is sensitive to the use of the right test materials. As the machine manufacturer, we have an intuitive understanding of this critical interface.



Conformance

Whether it's Abrasive Cloth, Woven or Nonwoven Felt or Polyurethane Foam, we guarantee total compliance with the relevant standards.

Alternate Abradants

Martindale is specified in many standards and with a variety of alternate abradants, dependent on the material under test. We stock most of them. Please ask for details.

Code	Martindale Abrasion and Pilling Tester
701-202	Martindale Abrasive Cloth SM25 - per pack (5 metres)
701-207	Pre-cut Discs of Martindale Abrasive Cloth SM25 [140mm diameter] - per pack (100)
714-602	Nonwoven Felt Pads [140mm diameter] - per pack (20)
714-612	Woven Felt Pads [140mm diameter] - per pack (20)
786-255	Foam - per pack (50 sheets - each sheet approx. 375 x 250mm)
786-256	Pre-cut Discs of Foam [38mm diameter] - per pack (approx. 2000)
701-240	Klingspor PL31B Grit 180 - per pack (50 sheets) - each sheet 230mm x 280mm

Please see Product Codes on pages 14 – 22 for a more comprehensive list of the test materials that we offer.

Martindale Abrasion and pilling tester

This masterpiece of precision engineering embodies our unique approach to product development. Every detail and every touch point has been created with you in mind.

The 1300 Martindale series is an absolute pleasure to use.



Multifibre

Multifibre, comprising strips of different fibres, is used as the adjacent fabric in many colour fastness tests including colour fastness to washing, dry cleaning, water, perspiration and many others.



We inspect every metre of Multifibre to ensure you receive perfect fabric every time. It complies with the requirements of ISO 105 F10 and is approved by many UK and European specifiers. We supply Multifibre in rolls or cut pieces.

American Multifibers, suitable for AATCC test methods, are different in composition and construction. We stock the most commonly used variants.

Code	Multifibre DW – European (ISO 105 F10)
702-500	Multifibre Adjacent Fabric DW - per roll (10m)
702-520	Multifibre Adjacent Fabric DW - per box (250 pieces) 10 x 4cm [gimped edges]
702-521	Multifibre Adjacent Fabric DW - per box (200 pieces) 10 x 5 cm [gimped edges]
Code	Multifiber – American
702-368	Multifiber Adjacent Fabric TV Style 41 - per roll (10m)
702-427	Multifiber Adjacent Fabric Style 42 - per roll (10m)
702-439	Multifiber Adjacent Fabric Style 49 - per roll (10m)

Please see Product Codes on pages 14 – 22 for a more comprehensive list of the test materials that we offer.

GyroWash – Washing and dry cleaning colour fastness tester

The new GyroWash range comprises two machines: one with 8 and one with 20 positions.

You can place either a small or large vessel in each position, so there is complete flexibility, should you wish to test to both ISO (small vessel) and AATCC (large vessel) standards.



Photographic Standards

In spite of the increasing sophistication of our instrumentation, standard, graded photographs are still widely used for evaluating surface changes after testing.



To ensure absolute consistency from batch to batch and to make the photographs as easy as possible to use, they are produced in-house and under strictly controlled conditions.

Furthermore, we are able to produce photographs to meet any special requirement you may have. We also stock a complementary range of AATCC and ASTM standard photographs and replicas.

Code	Photographic Standards
766-493	AATCC Photographs for Single and Double Needle Seams - per set (2)
766-450	ASTM D 3512 Photographic Standards - per set (5)
766-455	SnagPod Reference Photographs - per set (9)
766-460	IWS Pilling Photographs SM 54 for knitted fabrics - per set
766-451	EMPA Photographic Standards - per full set (3 x 4 Woven & 3 x 4 Knitted)
766-459	IWS Pilling Photographs SM 50 for woven fabrics - per set
766-465	Mace Snag Photographs (suitable for use with ASTM D3939) - per set (9)

Please see Product Codes on pages 14 – 22 for a more comprehensive list of the test materials that we offer.

Impulse Random tumble pilling tester

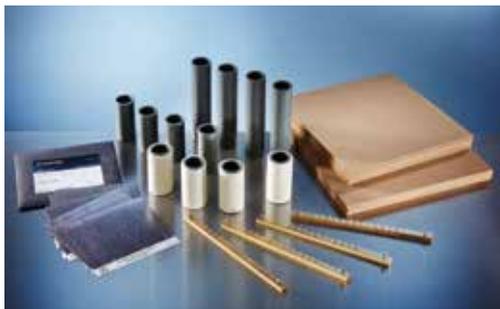
Impulse is a convenient two-chamber machine, suitable for ASTM D3512 and ISO 12945-3.

Specimens are agitated in cork-lined cylinders by a stainless steel impeller and are subsequently evaluated by reference to photographic standards.



Pilling/Snagging Materials

We aim to help you produce accurate and consistent test results by supplying totally compliant test materials, which perfectly complement our instrumentation.



We offer you an extensive range of test materials to complement our portfolio of pilling and snagging instruments. The products include cork liners, pilling tubes, and snagging points for Orbitor; liners, ramps, half-size pilling tubes,

locking rings and snagging bars for the M&S Pilling/Snagging Drum; cork liners, cotton sliver and specimen edge glue for Impulse; and felt-covered pilling tubes, locking rings and snagging bars for SnagPod.

Code	Random Tumble Pilling Tester/Impulse
393-527	Cork Liner - per pack [50] 457± 2mm length
785-509	Grey Cotton Sliver - per pack (approx. 1 m)
Code	Orbitor Pilling & Snagging Tester and SnagPod
758-554	SnagPod Felt-Covered Polyurethane Tubes - per pack (4)
794-752	Cork Liners for Orbitor Pilling Boxes (mounted on steel plates) - per set (6)
758-555	Moulded Polyurethane Pilling Tubes (140.25mm long) - per pack (4)

Please see Product Codes on pages 14 - 22 for a more comprehensive list of the test materials that we offer.

Orbitor Pilling and snagging tester

Orbitor is a flexible framework, to which you can add different test boxes, drums or chambers, depending on the type of testing work.

For the evaluation of snagging, pinned bars or points are added.



Yellowing Test Kit

This is a predictive test to assess the potential of white or pastel-coloured yarns, fabrics or garments to yellow during transit or storage.



Original Kit

Our Test Kit is the original, developed by Courtaulds Research, for investigating complaints arising from transit or storage yellowing.

Counterfeit Products

Beware of copies and counterfeit products, which do not produce accurate or consistent results or might cause health and safety issues.

Code	Yellowing (Phenolic)
706-820	Impregnated Test Papers 100 x 75mm - per pack (150)
706-822	Impregnated Test Papers 100 x 75mm - per pack (200)
706-720	Impregnated Test Papers 100 x 75mm - per pack (50)
706-709	Control Fabrics 100 x 30mm - per pack (25)
706-792	BHT-free Polythene Film - 63 microns thick - per box (100 pieces : 400 x 200mm)
766-201	Grey Scale for assessing Staining ISO 105 A03

Please see Product Codes on pages 14 - 22 for a more comprehensive list of the test materials that we offer.

Perspirometer and Incubator Colour fastness and phenolic yellowing tester

To carry out a yellowing test, you need one or more Perspirometers, glass separator plates and an Incubator capable of 37°C.

The test materials comprise: impregnated test papers, control fabrics and BHT-free film.



AATCC Test Materials

We stock a comprehensive range of genuine AATCC test materials including gray scales, crocking cloths, ballasts, multifibers, light fastness testing standards and detergents.



Code	Ballast
702-430	AATCC Ballast Type 1 - per pack (16)
702-432	AATCC Ballast Type 3 - per pack (16)
Code	Blue Wools and Fading Standards
766-516	AATCC Lightfastness Standard L-2 - per pack (50 x 75cm)
766-517	AATCC Lightfastness Standard L-4 - per pack (50 x 75cm)
766-521	AATCC Standard of Fading for L-2 - each
766-522	AATCC Standard of Fading for L-4 - each
Code	Crocking Cloth/Cotton Lawn
702-456	AATCC Crocking Cloth - per pack (1m) approx. 140cm wide
702-424	AATCC Crocking Cloths - per pack (1000 pieces) 5 x 5cm (straight edges)
702-426	AATCC Crocking Cloths - per pack (1000 pieces) 5 x 5cm (gimped/zig zag edges)
Code	Detergents
706-500	AATCC 1993 Non-Phosphate Reference Detergent With Optical Brightener - per tub (2kg)
706-502	AATCC 1993 Non-Phosphate Reference Detergent Without Optical Brightener - per tub (2kg)
Code	Gray Scales
766-512	Gray Scale for Color Change AATCC
766-513	Gray Scale for Staining AATCC
766-510	Chromatic Transference Scale (9 step) AATCC
Code	Multifiber
702-368	Multifiber Adjacent Fabric TV Style 41 - per roll (10m)
702-427	Multifiber Adjacent Fabric Style 42 - per roll (10m)
702-439	Multifiber Adjacent Fabric Style 49 - per roll (10m)

This is a concise list of some of the most common AATCC test materials. For a more detailed list please refer to Product Codes on pages 14 – 22.

Product Codes

Please use the following product codes when requesting a quotation or placing an order.

If you would like to use the following list to place your order, please tick the relevant products and scan or fax the form to us.

Email: sales@james-heal.co.uk Fax: **+44 (0) 1422 352440**

AATCC QUALITY CONTROL AIDS

- 702-424 AATCC Crocking Cloths - per pack (1000 pieces) 5 x 5cm (straight edges)
- 766-510 AATCC Chromatic Transference Scale
- 766-512 AATCC Gray Scale for Color Change
- 766-513 AATCC Gray Scale for Staining
- 766-516 AATCC Lightfastness Standard L-2 - per pack (50 x 75cm)
- 766-517 AATCC Lightfastness Standard L-4 - per pack (50 x 75cm)
- 706-500 AATCC 1993 Non-Phosphate Reference Detergent (With Optical Brightener) - per tub (2kg)
- 706-501 AATCC 1993 Non-Phosphate Reference Detergent (With Optical Brightener) - per drum (15kg)
- 706-765 AATCC 1993 Non-Phosphate Reference Detergent (With Optical Brightener) - per drum (90kg)
- 706-502 AATCC 1993 Non-Phosphate Reference Detergent - per tub (2kg) (Without Optical Brightener)
- 706-503 AATCC 1993 Non-Phosphate Reference Detergent - per drum (15kg) (Without Optical Brightener)
- 706-766 AATCC 1993 Non-Phosphate Reference Detergent - per drum (90kg) (Without Optical Brightener)
- 706-402 AATCC Standard Liquid Detergent (With Optical Brightener) - per container (3.5 US gallon)
- 706-403 AATCC Standard Liquid Detergent (Without Optical Brightener) - per container (3.5 US gallon)
- 702-438 White Synthetic (SBR) Rubber Balls for AATCC TM61 - per pack (200)
- 706-783 Tiles for Rug Back Staining - per set (40) - each 7.6 x 7.6cm
- 766-530 Blotting Paper - 20 x 40 in (50.8 x 101.6cm) - per box (125 sheets)
- 766-531 Blotting Paper - 10 x 10 in (25.4 x 25.4cm) - per box (1000 sheets)
- 766-532 Blotting Paper - 6 x 9 in (15.2 x 22.9cm) - per box (1500 sheets)
- 766-533 Blotting Paper - 6 x 6 in (15.2 x 15.2cm) - per box (2250 sheets)
- 766-534 Glassine Paper - per roll 45.7m x 30.5cm (150ft x 1ft)

ABRASIVES FOR WYZENBEECK ABRASION TESTER

- 702-380 Cotton Duck Abradant No. 10 - per pack (1m)
- 702-381 Cotton Duck Abradant No. 8 - per pack (1m)

ADJACENT FABRICS - SINGLE FIBRE - ISO 105 F SERIES

- 702-444 Cotton Limbriic Adjacent Fabric - per pack (1m) approx. 102cm wide
- 702-342 Cotton Limbriic Adjacent Fabric - per box (500 pieces) 10 x 4cm (straight edges)
- 702-343 Cotton Limbriic Adjacent Fabric - per box (500 pieces) 10 x 5cm (straight edges)
- 702-442 Polyamide Adjacent Fabric - per pack (1m) approx. 98cm wide
- 702-459 Polyamide Adjacent Fabric - per roll (10m) approx. 98cm wide
- 702-462 Polyamide Adjacent Fabric - per box (500 pieces) 10 x 4cm (straight edges)
- 702-478 Polyamide Adjacent Fabric - per pack (100 pieces) 10 x 4cm (straight edges)
- 702-463 Polyamide Adjacent Fabric - per box (500 pieces) 10 x 5cm (straight edges)
- 702-440 Polyester Adjacent Fabric - per pack (1m) approx. 102cm wide
- 702-471 Polyester Adjacent Fabric - per roll (10m) approx. 102cm wide
- 702-464 Polyester Adjacent Fabric - per box (500 pieces) 10 x 4cm (straight edges)
- 702-465 Polyester Adjacent Fabric - per box (500 pieces) 10 x 5cm (straight edges)
- 702-448 Wool Adjacent Fabric - per pack (1m) approx. 123cm wide
- 702-468 Wool Adjacent Fabric - per box (500 pieces) 10 x 4cm (straight edges)
- 702-469 Wool Adjacent Fabric - per box (500 pieces) 10 x 5cm (straight edges)
- 702-393 Silk Adjacent Fabric - per pack (1m) approx. 750mm wide
- 702-398 Linen Suiting Style L54 - per pack (1m) approx. 152cm wide



Product Codes

ALUMINIUM FOILS (3 x 3 INCH) FOR CHECKING TYPE C BURST STRENGTH TESTERS

- 766-538 Range A 35 - 69kPa (5-10psi) - per pack (10)
- 766-543 Range AA 76 - 138kPa (11-20psi) - per pack (10)
- 766-539 Range B 145 - 207kPa (21-30psi) - per pack (10)
- 766-540 Range C 214 - 345kPa (31-50psi) - per pack (10)
- 766-541 Range D 352 - 448kPa (51-65psi) - per pack (10)
- 766-542 Range E 455 - 552kPa (66-80psi) - per pack (10)
- 766-544 Range F 558 - 758 kPa (81-110 psi) - per pack (10)
- 766-545 Range G 765 - 1034 kPa (111-150 psi) - per pack (10)

ASSESSMENT MASKS

- 766-477 Colour Fastness Testing Mask
- 766-478 M & S Assessment Mask

BALLAST - AMERICAN

- 702-430 AATCC Ballast Type 1 - per pack (16)
- 702-432 AATCC Ballast Type 3 - per pack (16)

BLADES FOR SAMPLE CUTTERS

- 761-806 Blades for 230/50, 230/100, 230/103, 230/90, 230/125 and 230/140 - per pack (100)
- 761-807 Blades for 230/10, 230/38 and 230/44.5 - per pack (100)
- 761-817 Blades for 230/100(C) - per pack (20)

BLUE WOOLS - EUROPEAN

- 766-311 ISO Blue Wool Standard No. 1 - per pack (23 x 15cm)
- 766-312 ISO Blue Wool Standard No. 2 - per pack (23 x 15cm)
- 766-313 ISO Blue Wool Standard No. 3 - per pack (23 x 15cm)
- 766-314 ISO Blue Wool Standard No. 4 - per pack (23 x 15cm)
- 766-315 ISO Blue Wool Standard No. 5 - per pack (23 x 15cm)
- 766-316 ISO Blue Wool Standard No. 6 - per pack (23 x 15cm)
- 766-317 ISO Blue Wool Standard No. 7 - per pack (23 x 15cm)
- 766-318 ISO Blue Wool Standard No. 8 - per pack (23 x 15cm)
- 766-310 ISO Blue Wool Standards Nos. 1 - 8 - per set (8)
- 766-820 ISO Blue Wool Standards Nos. 1-8 (pre-mounted 10mm wide strips on card) - per pack (10 cards)

BLUE WOOLS AND FADING STANDARDS - AMERICAN

- 766-516 AATCC Lightfastness Standard L-2 - per pack (50 x 75cm)
- 766-517 AATCC Lightfastness Standard L-4 - per pack (50 x 75cm)
- 766-521 AATCC Standard of Fading for L-2 - each
- 766-522 AATCC Standard of Fading for L-4 - each

CARD - OBA FREE

- 766-470 OBA-free White Specimen Cards (135 x 45mm) - per pack (500)
- 766-475 OBA-free White Specimen Card (210 x 297mm/A4) - per pack (200)

CARRIER FABRICS

- 702-480 Cotton Drill - ISO 105 D01 and AATCC 132 - per pack (1m) approx. 93cm wide
- 702-481 Non-Dyeable Polypropylene Fabric for use in colour fastness tests - per pack (1m) approx. 100cm wide

CREASE RECOVERY ANGLE TESTER

- 789-514 Paper Tissue - per pack (25 sheets 100 x 150mm)

CROCKING CLOTH/COTTON LAWN - AMERICAN

- 702-456 AATCC Crocking Cloth - per pack (1m) approx. 140cm wide
- 702-453 AATCC Crocking Cloth - per roll (10m) approx. 140cm wide
- 702-454 AATCC Crocking Cloth - per roll (25m) approx. 140cm wide
- 702-455 AATCC Crocking Cloth - per roll (50m) approx. 140cm wide
- 702-424 AATCC Crocking Cloths - per pack (1000 pieces) 5 x 5cm (straight edges)
- 702-426 AATCC Crocking Cloths - per pack (1000 pieces) 5 x 5cm (gimped/zig zag edges)

CROCKING CLOTH/COTTON LAWN - EUROPEAN

- 702-541 Cotton Lawn - per pack (1m) approx. 140cm wide
- 702-542 Cotton Lawn - per roll (10m) approx. 140cm wide
- 702-543 Cotton Lawn - per roll (25m) approx. 140cm wide
- 702-544 Cotton Lawn - per roll (50m) approx. 140cm wide
- 702-546 Cotton Lawn - per box (50) approx. 10 x 4cm (straight edges)
- 702-540 Crocking Cloths - per pack (500 pieces) 5 x 5cm (straight edges)
- 702-545 Crocking Cloths - per pack (500 pieces) 5 x 5cm (gimped/zig-zag edges)

Product Codes

CROCKMETERS/CROCKMASTER

- 766-201 Grey Scale for assessing Staining ISO 105 A03
- 702-540 Crocking Cloths - per pack (500 pieces) 5 x 5cm (straight edges)
- 702-545 Crocking Cloths - per pack (500 pieces) 5 x 5cm (gimped/zig-zag edges)
- 701-217 Silicon Carbide Waterproof Paper 280 grit for M & S Method C8 - per pack (50)
- 702-424 AATCC Crocking Cloths - per pack (1000 pieces) 5 x 5cm (straight edges)
- 702-426 AATCC Crocking Cloths - per pack (1000 pieces) 5 x 5cm (gimped/zig zag edges)
- 766-510 AATCC Chromatic Transference Scale
- 766-513 AATCC Gray Scale for Staining
- 702-433 Calibration Cloth - per pack (25 pieces each 5 x 15cm)
- 789-521 Tokens (BS 2543) - per pack (250)
- 714-614 White Felt Pads [15 x 15mm 1900g/m²] - per pack (1000)
- 375-451 Spring Clips for Standard Finger - per pack (10)
- 701-333 Anti-Slip Cloth (comparable to 280 grit) - per pack (50 pieces - each piece 160 x 50mm)
- 785-765 Adhesive Tape (for bonding Anti-slip Cloth to base of instrument) - per roll (65m)

CUTTING BOARDS FOR SAMPLE CUTTERS

- 761-801 Cutting Boards (grey) - per pack (10)

CUT RESISTANCE

- 702-491 Cotton Canvas Cloth - for cut resistance testing in accordance with EN388 - per pack (5 square metres)

DETECTION KITS

- 794-549 Nickel Detection Kit

DETERGENTS - AMERICAN

- 706-500 AATCC 1993 Non-Phosphate Reference Detergent - per tub (2kg) (With Optical Brightener)
- 706-501 AATCC 1993 Non-Phosphate Reference Detergent - per drum (15kg) (With Optical Brightener)
- 706-765 AATCC 1993 Non-Phosphate Reference Detergent - per drum (90kg) (With Optical Brightener)
- 706-502 AATCC 1993 Non-Phosphate Reference Detergent - per tub (2kg) (Without Optical Brightener)
- 706-503 AATCC 1993 Non-Phosphate Reference Detergent - per drum (15kg) (Without Optical Brightener)
- 706-766 AATCC 1993 Non-Phosphate Reference Detergent - per drum (90kg) (Without Optical Brightener)
- 706-402 AATCC Standard Liquid Detergent - per container (3.5 US gallon) (With Optical Brightener)
- 706-403 AATCC Standard Liquid Detergent - per container (3.5 US gallon) (Without Optical Brightener)

DETERGENTS - DOMESTIC

- 702-475 Liquid Tide - per bottle (approx. 2.95 litres) (Without bleach)
- 706-808 Tide Powder (original scent) - per pack (approx. 7.2kg) (Without chlorine bleach)
- 706-778 Perksheen Detergent 324 - per container (1 US gallon/3.8 litres)
- 706-772 Ultra Clorox 2 Powder Bleach (non-chlorine based, contains sodium perborate) - per box (1.39kg)
- 702-497 Tide Powder (Mountain Spring) - per pack (approx. 3.2kg)
- 706-788 Tide Powder (Original Scent) - per pack (approx. 2.72kg) (Without bleach)
- 706-810 Clorox Liquid (Stain Fighter and Color Booster) - per bottle (approx. 1.34 litres)
- 706-785 Woolite - per bottle (approx. 1.48 litres)
- 706-784 Woolite Handwash - per bottle (approx. 750mL)
- 706-724 Persil Automatic - per pack (approx. 2kg)
- 706-786 Persil Automatic - per pack (approx. 4kg)
- 706-727 Persil Bio - per pack (approx. 3kg)
- 706-737 Persil Handwash or Twin Tub (M&S P5 and P69) - per pack (approx. 700g)
- 706-698 Persil Colour Care Detergent (Powder Form) - reduced OBA - per pack (2.1kg)
- 706-699 Persil Colour Care Detergent (Powder Form) - reduced OBA - per pack (850g)
- 706-729 Skip Active Clean - per pack (5.52kg) (With Optical Brightener and Enzyme)
- 706-550 Detergent Charge for ISO 3175-4 - per pack (25kg)

DETERGENTS - EUROPEAN

- 706-657 Standard Soap - per tub (2kg)
- 706-652 ECE Formulation Non-Phosphate Reference Detergent (A) (Without Optical Brightener) - per tub (2kg)
- 706-653 ECE Formulation Non-Phosphate Reference Detergent (A) (Without Optical Brightener) - per drum (15kg)
- 706-666 IEC Formulation Non-Phosphate Reference Detergent (A) (With Optical Brightener) - per tub (2kg)
- 706-667 IEC Formulation Non-Phosphate Reference Detergent (A) (With Optical Brightener) - per drum (15kg)
- 706-735 TAED (Tetra-acetyethylene diamine) - 92% activity - per pack (275g)
- 706-743 TAED (Tetra-acetyethylene diamine) - 92% activity - per pack (500g)
- 706-672 IEC Formulation Non-Phosphate Reference Detergent (A*) (With Optical Brightener) - per tub (2kg)
- 706-650 ECE Formulation Phosphate Reference Detergent (B) (Without Optical Brightener) - per tub (2kg)



Product Codes

DETERGENTS - EUROPEAN

- 706-651 ECE Formulation Phosphate Reference Detergent (B) *(Without Optical Brightener)* - per drum (15kg)
- 706-654 IEC Formulation Phosphate Reference Detergent (B) *(With Optical Brightener)* - per tub (2kg)
- 706-655 IEC Formulation Phosphate Reference Detergent (B) *(With Optical Brightener)* - per drum (15kg)

DIAPHRAGMS FOR BURSTING STRENGTH TESTERS

- 777-133 Reinforced TruBurst Diaphragms (1mm thick) - per pack (10)
- 777-134 Plain TruBurst Diaphragms [M&S P27 and Andidas 4.09] (1mm thick) - per pack (10)
- 777-135 Reinforced TruBurst Diaphragms (1.5mm thick) - per pack (10)
- 777-150 Low Pressure TruBurst Diaphragms (0.2mm thick) - per pack (10)
- 758-561 Plain Diaphragms (200 x 200 x 1mm thick) - per pack (10)
- 758-562 Plain Diaphragms (200 x 200 x 2mm thick) - per pack (10)
- 758-563 Plain Diaphragms (80mm diameter) - per pack (20)
- 758-564 PONEP Diaphragms (137mm diameter x 0.9mm thick) - per pack (10)
- 777-140 Reinforced Diaphragms - equivalent of Product Type 520 (approx. 46mm diameter) - per pack (12)

DIN (German) Grey Scales

- 766-202 DIN Grey Scale - Staining [DIN EN 20105-A03]
- 766-203 DIN Grey Scale - Colour Change [DIN EN 20105-A02]

DRAPE TESTER (CUSICK)

- 788-751 Paper Rings 24cm diameter - per box (500)
- 788-752 Paper Rings 30cm diameter - per box (500)
- 788-753 Paper Rings 36cm diameter - per box (500)

DYNAWASH GARMENT & PRINTED FABRIC DURABILITY TESTER

- 766-200 Grey Scale for assessing Change in Colour ISO 105 A02
- 766-201 Grey Scale for assessing Staining ISO 105 A03
- 706-737 Persil Handwash or Twin Tub [M&S P5 and P69] - per pack (approx. 700g)
- 706-724 Persil Automatic - per pack (approx. 2kg)
- 706-650 ECE Formulation Phosphate Reference Detergent (B) *(Without Optical Brightener)* - per tub (2kg)
- 706-651 ECE Formulation Phosphate Reference Detergent (B) *(Without Optical Brightener)* - per drum (15kg)

- 702-530 Polyester Makeweights - per pack (1kg)
Size: 300 x 300mm
Weight: 40g (approx)
- 702-533 Polyester Makeweights - per pack (1kg)
Size: 300 x 300mm
Weight: 35g
- 702-532 Polyester Makeweights - per pack (1kg)
Size : 210 x 210mm
Weight: 50g

FLAMMABILITY / FLEXIBURN

- 785-504 Marker Thread (46.5 tex) - per pack (2 x 500m)
- 789-515 Filter Papers 460 x 570mm - per pack (100)
- 789-527 Filter Papers 580 x 580mm - per pack (500)
- 702-472 Ignition Fabric - pre-washed and pre-cut (50 x 20mm) - for EN 13772 - per pack (500)
- 702-320 Flame Retardant Polyester Fabric - per roll (50m x approx. 1450mm wide)
- 785-550 "Wooden Crib, Ignition Source 5, 17a1g, Softwood, Scots Pine - per box (105)"
- 785-552 "Wooden Crib, Ignition Source 7, 126x4g, Softwood, Scots Pine - per box (124)"

FLUORESCENCE SUPPRESSOR

- 766-479 Fluorescence Suppressor

GREY SCALES

- 766-200 Grey Scale for assessing Change in Colour ISO 105 A02 - each
- 766-201 Grey Scale for assessing Staining ISO 105 A03 - each
- 766-205 Grey Scale for assessing Change in Colour JIS (Japanese) - each
- 766-204 Grey Scale for assessing Staining JIS (Japanese) - each
- 766-512 Gray Scale for Color Change AATCC - each
- 766-513 Gray Scale for Staining AATCC - each
- 766-510 Chromatic Transference Scale (9 step) AATCC - each

GYROWASH WASHING & DRY CLEANING COLOUR FASTNESS TESTER/WASHWHEELS

- 766-200 Grey Scale for assessing Change in Colour ISO 105 A02
- 766-201 Grey Scale for assessing Staining ISO 105 A03
- 718-164 Non-Corroddible Steel Balls (washing) - pack (100)
- 718-163 Non-Corroddible Steel Discs (dry cleaning) - pack (50)
- 702-480 Cotton Drill for ISO 105 D01 and AATCC 132 - per pack (1m) approx. 93cm wide
- 718-168 PTFE Rods for ISO 11643 - pack (100)
- 702-500 Multifibre Adjacent Fabric DW - per roll (10m)
- 702-502 Multifibre Adjacent Fabric DW - per roll (50m)
- 702-503 Multifibre Adjacent Fabric DW - per roll (100m)

Product Codes

GYROWASH WASHING & DRY CLEANING COLOUR FASTNESS TESTER/WASHWHEELS

- 718-163 Non-Corroddible Steel Discs (dry cleaning) - pack (50)
- 702-481 Non-Dyeable Polypropylene Fabric - per pack (1m) approx 100cm wide
- 706-657 Standard Soap - per tub (2kg)
- 706-650 ECE Formulation Phosphate Reference Detergent (B) *(Without Optical Brightener)* - per tub (2kg)
- 706-651 ECE Formulation Phosphate Reference Detergent (B) *(Without Optical Brightener)* - per drum (15kg)
- 706-714 Anhydrous Sodium Carbonate - per pack (500g)
- 706-652 ECE Formulation Non-Phosphate Reference Detergent (A) *(Without Optical Brightener)* - per tub (2kg)
- 706-653 ECE Formulation Non-Phosphate Reference Detergent (A) *(Without Optical Brightener)* - per drum (15kg)
- 706-735 TAED (Tetra-acetylene diamine) - per pack (250g)
- 706-743 TAED (Tetra-acetylene diamine) - per pack (500g)
- 766-512 AATCC Gray Scale for Color Change
- 766-513 AATCC Gray Scale for Staining
- 702-417 Multifiber Adjacent Fabric Style 1 - per pack (1m)
- 702-419 Multifiber Adjacent Fabric Style 1 - per box (500 pieces) 5 x 10cm *(straight heat sealed edges)*
- 702-420 Multifiber Adjacent Fabric Style 10 - per pack (1m)
- 702-421 Multifiber Adjacent Fabric Style 10 - per box (500 pieces) 5 x 10cm *(straight heat sealed edges)*
- 702-403 Multifiber Adjacent Fabric Style 10A - per pack (1m)
- 702-370 Multifiber Adjacent Fabric Style 10A - per box (500 pieces) 4 x 10cm *(straight heat sealed edges)*
- 702-399 Multifiber Adjacent Fabric Style 10A - per box (500 pieces) 5 x 10cm *(straight heat sealed edges)*
- 706-500 AATCC 1993 Non-Phosphate Reference Detergent - per tub (2kg) *(With Optical Brightener)*
- 706-501 AATCC 1993 Non-Phosphate Reference Detergent - per drum (15kg) *(With Optical Brightener)*
- 706-765 AATCC 1993 Non-Phosphate Reference Detergent - per drum (90kg) *(With Optical Brightener)*
- 706-502 AATCC 1993 Non-Phosphate Reference Detergent - per tub (2kg) *(Without Optical Brightener)*
- 706-503 AATCC 1993 Non-Phosphate Reference Detergent - per box (15kg) *(Without Optical Brightener)*
- 706-766 AATCC 1993 Non-Phosphate Reference Detergent - per drum (90kg) *(Without Optical Brightener)*

- 707-192 Maintenance Kit (containing "Munsell N7" paint) - per kit
- 707-100 Paint Reference G5574 (formerly Smokey Pine Emulsion 14.40D) - per container (0.5 litres) - small
- 707-110 Paint Reference G5574 (formerly Smokey Pine Emulsion 14.40D) - per container (5 litres) - LARGE
- 707-101 Paint Munsell N5 (dark grey) - per container (0.5 litres) - small
- 707-111 Paint Munsell N5 (dark grey) - per container (5 litres) - LARGE
- 707-102 Paint Munsell N7 (light gray) - per container (0.5 litres) - small
- 707-112 Paint Munsell N7 (light gray) - per container (5 litres) - LARGE

LEATHER - TEST MATERIALS FOR EVALUATION OF COLOUR FASTNESS

- 714-614 White Felt Pads [15 x 15mm 1900g/m2] - per pack (1000)
- 714-615 Black Felt Pads [15 x 15mm 1900g/m2] - per pack (100)
- 766-535 Soft PVC Sheet - per 5 sheets (each comprising 10 x 50mm x 30mm segments)
- 785-511 PVC Adherent Plates 70 x 20 x 3mm - per pack (100)
- 785-107 Single Component Cyanoacrylate Adhesive - per pack (20g)
- 718-168 PTFE Rods 15-20mm long x 8 mm diameter - per pack (100)

LIGHT AND WEATHERING FASTNESS

- 766-200 Grey Scale for assessing Change in Colour ISO 105 A02 - each
- 766-476 ISO Humidity Test Control Fabric - per pack (25 x 15cm)
- 766-310 ISO Blue Wool Standards Nos. 1-8 - per set (8 pieces each 23 x 15cm)
- 766-311 ISO Blue Wool Standard No. 1 - per pack (1 piece 23 x 15cm)
- 766-312 ISO Blue Wool Standard No. 2 - per pack (1 piece 23 x 15cm)
- 766-313 ISO Blue Wool Standard No. 3 - per pack (1 piece 23 x 15cm)
- 766-314 ISO Blue Wool Standard No. 4 - per pack (1 piece 23 x 15cm)
- 766-315 ISO Blue Wool Standard No. 5 - per pack (1 piece 23 x 15cm)
- 766-316 ISO Blue Wool Standard No. 6 - per pack (1 piece 23 x 15cm)
- 766-317 ISO Blue Wool Standard No. 7 - per pack (1 piece 23 x 15cm)
- 766-318 ISO Blue Wool Standard No. 8 - per pack (1 piece 23 x 15cm)

MAINTENANCE KITS & PAINT FOR VERVIDE COLOUR ASSESSMENT CABINETS

- 707-190 Maintenance Kit (containing G5574/14.40D paint) - per kit
- 707-191 Maintenance Kit (containing "Munsell N5" paint) - per kit



Product Codes

LIGHT AND WEATHERING FASTNESS

- 766-820 ISO Blue Wool Standards Nos. 1-8 [pre-mounted 10mm wide strips on card] - per pack (10 cards)
- 706-717 BHT-free Polythene Film - 25 micron thick - for M & S C9A - per pack (20m x 766mm wide)
- 766-516 AATCC Blue Wool Lightfastness Standard L-2 - per pack (50 x 75cm)
- 766-517 AATCC Blue Wool Lightfastness Standard L-4 - per pack (50 x 75cm)
- 766-521 AATCC Standard of Fading for L-2
- 766-522 AATCC Standard of Fading for L-4
- 766-512 AATCC Gray Scale for Color Change - each

MACE SNAG TESTER

- 714-617 Felt Sleeve for Mace Snag Tester - per pack (4)

MAKEWEIGHTS/LOADING FABRICS/BALLAST - EUROPEAN

- 702-530 Polyester Makeweights - per pack (1kg)
Size: 300 x 300mm
Weight: 40g (approx.)
- 702-533 Polyester Makeweights - per pack (1kg)
Size: 300 x 300mm
Weight: 35g
- 702-532 100% Polyester Ballast [Type 3] - per pack (1 kg)
Size : 210 x 210mm
Piece Mass: 50g
- 702-536 100% Cotton Ballast [Type 1] - per pack (1 kg)
Size: 92 x 92cm
Piece Mass: 320g
- 702-470 Terry Towing Ballast for Tumble Drying (HLCC guidelines) - per pack (1kg/9 pieces)
- 702-535 80/20% Wool/Cotton Ballast suitable for EN ISO 3175-2:2010 - per pack (1 kg)

MARTINDALE ABRASION AND PILLING TESTER

- 701-202 Martindale Abrasive Cloth SM25 - per pack (5 metres)
- 701-207 Pre-cut Discs of Martindale Abrasive Cloth SM25 (140mm diameter) - per pack (100)
- 701-200 Martindale Abrasive Cloth SM25 - per roll (25 metres)
- 701-203 Martindale Abrasive Cloth SM25 - per roll (50 metres)
- 714-602 Nonwoven Felt Pads (140mm diameter) - per pack (20)
- 714-612 Woven Felt Pads (140mm diameter) - per pack (20)
- 714-604 Nonwoven Felt - per pack (3 pieces, each approx. 1.8m x 0.3m)
- 714-616 Woven Felt - per pack (1m x 1.4m wide)

- 786-255 Foam - per pack (50 sheets - each sheet approx. 375 x 250mm)
- 786-256 Pre-cut Discs of Foam (38mm diameter) - per pack (approx. 2000)
- 714-601 Nonwoven Felt Pads (90mm diameter) - per pack (20)
- 714-611 Woven Felt Pads (90mm diameter) - per pack (20)
- 701-228 Abrasive Cloth - 55% Polyester 45% Combed Wool for Renault/Peugeot - per pack (5m x approx. 1500mm wide)
- 701-330 Abrasive Cloth - 80% Wool 20% Polyamide for Volkswagen and Volvo - per pack (1m x approx. 1500mm wide)
- 701-331 Abrasive Cloth 70% Viscose 30% Linen for Volkswagen PV 3928 - per pack (1m x approx. 1500mm wide)
- 701-240 Klingspor PL31B Grit 180 - per pack (50 sheets - each sheet 230mm x 280mm)
- 701-241 Klingspor PL31B Grit 180 - 140mm diameter pre-cut discs - per pack (40)
- 701-215 Oakley Cabinet Quality 117 Glass Paper F2/100 - 280 x 230mm - per pack (25 sheets)
- 701-214 Oakley Cabinet Quality 117 Glass Paper Grade 00 - 280 x 230mm - per pack (25 sheets)
- 701-216 Silicon Carbide Abradant 180J - per roll (50m x 100mm wide)
- 701-219 Silicon Carbide Abradant 180J - per roll (50m x 150mm wide)
- 701-248 Abrasive Sheets - Technical Grade: 36 grit - 230 x 280mm - per pack (10 sheets)
- 789-671 3M Scotch-Brite Abradant Pieces (89mm diameter) Type 7440 (Brown) for prEN 16094 (Method B) - per pack (10)
- 789-672 3M Scotch-Brite Abradant Pieces (89mm diameter) Type 7447 (Maroon) for prEN 16094 (Method A) - per pack (10)
- 789-673 3M Scotch-Brite Abradant Pieces (89mm diameter) Type 7448 (Grey/Brown) - per pack (10)
- 789-674 3M Scotch-Brite Abradant Pieces (89mm diameter) Type 7447+ (Maroon) - per pack (10)
- 789-678 3M Scotch-Brite Abradant Pieces (89mm diameter) Type 7448+ (Grey/Brown) - per pack (10)
- 706-776 Velcro - per pack (5m x 47.6mm wide)

MULTIFIBRE DW - EUROPEAN (ISO 105 F10)

- 702-500 Multifibre Adjacent Fabric DW - per roll (10m)
- 702-502 Multifibre Adjacent Fabric DW - per roll (50m)
- 702-503 Multifibre Adjacent Fabric DW - per roll (100m)
- 702-520 Multifibre Adjacent Fabric DW - per box (250 pieces) 10 x 4cm (*gimped edges*)
- 702-521 Multifibre Adjacent Fabric DW - per box (200 pieces) 10 x 5 cm (*gimped edges*)

Product Codes

MULTIFIBER - AMERICAN

- 702-417 Multifiber Adjacent Fabric Style 1 - per pack (1m)
- 702-418 Multifiber Adjacent Fabric Style 1 - per box (500 pieces) 5 x 5cm (*straight heat sealed edges*)
- 702-419 Multifiber Adjacent Fabric Style 1 - per box (500 pieces) 5 x 10cm (*straight heat sealed edges*)
- 702-420 Multifiber Adjacent Fabric Style 10 - per pack (1m)
- 702-416 Multifiber Adjacent Fabric Style 10 - per box (500 pieces) 5 x 5cm (*straight heat sealed edges*)
- 702-421 Multifiber Adjacent Fabric Style 10 - per box (500 pieces) 5 x 10cm (*straight heat sealed edges*)
- 702-403 Multifiber Adjacent Fabric Style 10A - per pack (1m)
- 702-370 Multifiber Adjacent Fabric Style 10A - per box (500 pieces) 4 x 10cm (*straight heat sealed edges*)
- 702-399 Multifiber Adjacent Fabric Style 10A - per box (500 pieces) 5 x 10cm (*straight heat sealed edges*)
- 702-368 Multifiber Adjacent Fabric TV Style 41 - per roll (10m)
- 702-369 Multifiber Adjacent Fabric TV Style 41 - per roll (25m)
- 702-371 Multifiber Adjacent Fabric TV Style 41 - per roll (50m)
- 702-372 Multifiber Adjacent Fabric TV Style 41 - per box (500 pieces) 4 x 10cm (*straight edges*)
- 702-373 Multifiber Adjacent Fabric TV Style 41 - per box (500 pieces) 5 x 10cm (*straight edges*)
- 702-427 Multifiber Adjacent Fabric Style 42 - per roll (10m)
- 702-428 Multifiber Adjacent Fabric Style 42 - per roll (25m)
- 702-408 Multifiber Adjacent Fabric Style 42 - per roll (50m)
- 702-410 Multifiber Adjacent Fabric Style 42 - per box (500 pieces) 4 x 10cm (*straight edges*)
- 702-411 Multifiber Adjacent Fabric Style 42 - per box (500 pieces) 5 x 10cm (*straight edges*)
- 702-439 Multifiber Adjacent Fabric Style 49 - per roll (10m)
- 702-449 Multifiber Adjacent Fabric Style 49 - per roll (25m)
- 702-407 Multifiber Adjacent Fabric Style 49 - per roll (50m)
- 702-406 Multifiber Adjacent Fabric Style 49 - per box (100 pieces) 5 x 10cm (*straight edges*)
- 702-366 Multifibre Test Cloth - Union Cloth No. 1 - per piece (100 x 50cm)

ORBITOR PILLING & SNAGGING TESTER AND SNAGPOD/ICI PILLING TESTER

- 758-554 SnagPod Felt-Covered Polyurethane Tubes - per pack (4)
- 758-553 SnagPod Locking Rings - per pack (20)
- 788-743 Ramp for M&S Drum - each
- 788-742 Liner Supports for M&S Drum - per pack (5)
- 758-551 Polyurethane Pilling Tubes (70.2mm long) - per pack (4)
- 758-553 Locking Rings - per pack (20)

- 789-513 Double-sided Adhesive Tape (approx. 25mm wide x 36yd long) - per pack (10 rolls)
- 706-733 Teepol - per pack (5 litres)
- 794-752 Cork Liners for Orbitor Pilling Boxes (mounted on steel plates) - per set (6)
- 794-746 Cork Liners for Orbitor Snagging Boxes (mounted on steel plates) - per set (6)
- 758-555 Moulded Polyurethane Pilling Tubes (140.25mm long) - per pack (4)
- 789-511 Rolls of 19mm wide PVC Tape (colour: white) - per pack (10)
- 794-722 Cork Liners for Blue Moulded Pilling Boxes (mounted on aluminium plates) - per pack (6)
- 794-727 Cork Liners for Blue Moulded Snagging Boxes (mounted on aluminium plates) - per set (6)
- 794-722 Cork Liners for Grey Plastic Pilling Boxes (mounted on aluminium plates) - per pack (6)
- 794-727 Cork Liners for Grey Plastic Snagging Boxes (mounted on aluminium plates) - per set (6)
- 393-501 Cork Liners for Wooden Pilling or Snagging Boxes - per pack (6)

PERBORATE - FABRICS FOR TESTING THE PRESENCE OF

- 702-390 Perborate-Sensitive P1 - 1570mm wide - per pack (1m)
- 702-391 Perborate-Insensitive P2 - 1570mm wide - per pack (1m)

PERSPIRATION & OTHER CONTACT TESTS

- 702-500 Multifibre Adjacent Fabric DW - per roll (10m)
- 702-502 Multifibre Adjacent Fabric DW - per roll (50m)
- 702-503 Multifibre Adjacent Fabric DW - per roll (100m)
- 766-200 Grey Scale for assessing Change in Colour ISO 105 A02
- 766-201 Grey Scale for assessing Staining ISO 105 A03
- 706-799 Test Kit (ISO 105 E04) - sufficient for making approximately 200 litres of alkaline and acidic test solutions
- 706-703 L-Histidine Monohydrochloride Monohydrate C₆H₉N₃HC1.H₂O - per pack (100g)
- 706-704 Sodium Chloride NaCl - per pack (1kg)
- 706-706 Di-sodium Hydrogen Orthophosphate Dihydrate Na₂HPO₄.2H₂O - per pack (500g)
- 706-705 Sodium Di-hydrogen Orthophosphate Dihydrate NaH₂PO₄.2H₂O - per pack (500g)
- 702-420 Multifiber Adjacent Fabric Style 10 - per pack (1m)
- 766-512 AATCC Gray Scale for Color Change
- 766-513 AATCC Gray Scale for Staining
- 706-801 Test Kit (AATCC Test Method 15) - sufficient for making 200 litres of acidic test solution
- 706-774 Lactic Acid, USP 85% - per pack (500ml)



Product Codes

PERSPIRATION & OTHER CONTACT TESTS

- 706-775 Di-sodium Hydrogen Phosphate, Anhydrous Na₂HPO₄ - per pack (1kg)
- 702-349 PVC Coated Viscose - per pack (25 pieces 10 x 4cm)
- 766-535 Soft PVC Sheet - per 5 sheets (each comprising 10 x 50mm x 30mm segments)

PHOTOGRAPHIC STANDARDS

- 766-493 AATCC Photographs for Single and Double Needle Seams - per set (2)
- 766-450 ASTM D 3512 Photographic Standards - per set (5)
- 766-455 SnagPod Reference Photographs - per set (9)
- 766-460 IWS Pilling Photographs SM 54 for knitted fabrics - per set
- 766-461 M & S and BS 5811 : 1979 "Woven" Standard Photographs - per set
- 766-462 M & S "Knitted" Standard Photographs - per set
- 766-463 BS 5811 : 1979 "Single Jersey" Standard Photographs - per set
- 766-464 BS 5811 : 1979 "Double Jersey" Standard Photographs - per set
- 766-451 EMPA Photographic Standards - per full set (3 x 4 Woven & 3 x 4 Knitted)
- 766-452 EMPA Photographic Standards - per half set (3 x 4 Woven)
- 766-453 EMPA Photographic Standards - per half set (3 x 4 Knitted)
- 766-458 M & S Pilling Photographic Standards - Test Method P17 - per set
- 766-459 IWS Pilling Photographs SM 50 for woven fabrics - per set
- 766-465 Mace Snag Photographs (suitable for use with ASTM D3939) - per set (9)
- 766-498 ENKA Photographic Standards - per set (8)

RANDOM TUMBLE PILLING TESTER/IMPULSE

- 393-527 Cork Liner - per pack (50)
Length: 457± 2mm
- 393-533 Cork Liner (Extra Long) - per pack (50)
Length 460 mm ± 1mm
- 794-654 Specimen Edge Glue - per pack (4 bottles - each 180ml)
- 758-566 Neoprene Liner - per pack (5)
- 785-509 Grey Cotton Sliver - per pack (approx. 1 m)

RED AZOIC

- 766-476 ISO Humidity Test Control Fabric - per pack (25 x 15cm)

'SM' (IWS/WOOLMARK) TEST MATERIALS

- 701-202 SM25 Abrasive Cloth - Woolmark TM112 & TM196 - per pack (5 metres)
- 701-200 SM25 Abrasive Cloth - Woolmark TM112 & TM196 - per roll (25 metres)
- 701-203 SM25 Abrasive Cloth - Woolmark TM112 & TM196 - per roll (50 metres)
- 701-207 SM25 Pre-cut Discs of Abrasive Cloth (140mm diameter) - Woolmark TM112 & TM196 - per pack (100)
- 714-616 SM26 Woven Felt - per pack (1m x 1.4m wide)
- 714-612 SM26 Woven Felt Pads (140mm diameter) - per pack (20)
- 714-611 SM26 Woven Felt Pads (90mm diameter) - per pack (20)
- 786-255 SM28 Foam - per pack (50 sheets - each sheet approx. 375 x 250mm)
- 786-256 SM28 Pre-cut Discs of Foam (38mm diameter) - per pack (approx. 2400)
- 702-390 SM30 Perborate-Sensitive Fabric P1 - per pack (1m x 1570mm wide)
- 702-391 SM30 Perborate-Insensitive Fabric P2 - per pack (1m x 1570mm wide)
- 789-536 SM43 Sewing Thread for Seam Slippage Testing (30 tex) - per cone (1000m)
- 789-537 SM44 Sewing Thread for Seam Slippage Testing (50 tex) - per cone (1000m)
- 766-459 SM50 IWS Pilling Photographs for Woven Fabrics - Woolmark TM196/ASTM D4970 - per set (4 x 5)
- 766-460 SMS4 Pilling Photographs for Knitted Fabrics - Woolmark TM152/ASTM D4970 - per set (4 x 5)

TEMPERATURE RECORDING STRIPS

- 789-541 A 37° - 65°C - per pack (10)
- 789-542 B 71° - 110°C - per pack (10)
- 789-543 C 116° - 154°C - per pack (10)
- 789-544 D 160° - 199°C - per pack (10)
- 789-545 E 204° - 260°C - per pack (10)

TENSILE TESTERS

- 706-780 Break Strength Fabric (Plain Weave) - per pack (1m)
- 706-781 Break Strength Fabric (Satin) - per pack (1m)
- 789-575 Sewing Thread 100% polyester 45 ± 5 tex - per pack (20 bobbins - each 1000m)
- 785-516 Sewing Thread 100% polyester 74 ± 5 tex - per bobbin (5000m)
- 788-251 Sewing Machine Needles Metric Size 80 Normal Point (M&S P12) - per pack (10)
- 706-680 Fabric Conditioner (M&S P12, P12A and P12B) - per container (5 litres)

Product Codes

WASCATOR

- 702-530 Polyester Makeweights - per pack (1kg)
Size: 300 x 300mm
Weight: 40g (approx.)
- 702-533 Polyester Makeweights - per pack (1kg)
Size: 300 x 300mm
Weight: 35g
- 702-532 Polyester Makeweights - per pack (1kg)
Size : 210 x 210mm
Weight: 50g
- 702-470 Terry Towelling Ballast for Tumble Drying (HLCC guidelines) - per pack (1kg/9 pieces)
- 706-650 ECE Formulation Phosphate Reference Detergent (B) (Without Optical Brightener) - per tub (2kg)
- 706-651 ECE Formulation Phosphate Reference Detergent (B) (Without Optical Brightener) - per drum (15kg)
- 706-654 IEC Formulation Phosphate Reference Detergent (B) (With Optical Brightener) - per tub (2kg)
- 706-655 IEC Formulation Phosphate Reference Detergent (B) (With Optical Brightener) - per drum (15kg)
- 706-652 ECE Formulation Non-Phosphate Reference Detergent (A) (Without Optical Brightener) - per tub (2kg)
- 706-653 ECE Formulation Non-Phosphate Reference Detergent (A) (Without Optical Brightener) - per drum (15kg)
- 706-666 IEC Formulation Non-Phosphate Reference Detergent (A) (With Optical Brightener) - per tub (2kg)
- 706-667 IEC Formulation Non-Phosphate Reference Detergent (A) (With Optical Brightener) - per drum (15kg)
- 706-502 AATCC 1993 Non-Phosphate Reference Detergent - per tub (2kg) (Without Optical Brightener)
- 706-503 AATCC 1993 Non-Phosphate Reference Detergent - per drum (15kg) (Without Optical Brightener)
- 706-735 TAED (Tetra-acetyethylene diamine) - 92% activity - per pack (250g)
- 706-743 TAED (Tetra-acetyethylene diamine) - per pack (500g)
- 706-724 Persil Automatic - per pack (approx. 2 kg)
- 785-250 Mesh Drying Bag (with zip) - approx. 350 x 250mm - per bag

WIRA RAPID OIL EXTRACTION APPARATUS

- 705-651 Aluminium Trays - per pack (50)

YELLOWING (PHENOLIC)

- 706-820 Impregnated Test Papers 100 x 75mm - per pack (150)
- 706-822 Impregnated Test Papers 100 x 75mm - per pack (200)
- 706-720 Impregnated Test Papers 100 x 75mm - per pack (50)
- 706-709 Control Fabrics 100 x 30mm - per pack (25)
- 706-792 BHT-free Polythene Film - 63 microns thick - per box (100 pieces : 400 x 200mm)
- 766-201 Grey Scale for assessing Staining ISO 105 A03

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