

Decatising Wrapper Range

Sam Weller have over 75 years' experience working with, and supplying decatising wrappers to, leading companies in the cloth finishing industry – including all the finishing companies processing World renowned Fine Worsted fabrics from Huddersfield.



Satin Decatising Wrappers

Made with special cotton/synthetic blended yarn for extended life and therefore providing a more economical decatising process. Extra fine qualities are manufactured to make the finishing of fine woollen worsteds and mohair trouble free.

Raised Satin Decatising Wrappers

Raised on both sides they produce soft, dull, low-lustre finishes on the highest quality fine worsteds.

Molleton Decatising Wrappers

Ideally suited for producing volatized, soft finishes on heavy woollen fabrics.

| <u>PRODUCT CODE</u> | <u>DESCRIPTION</u> | <u>WEIGHT (LINEAR METER) OF PROCESSED FABRIC</u> | <u>FEATURES AND BENEFITS</u> |
|---------------------|---|--|---|
| Q130000 | KB35 Quality | < 100g or heavier | Finest wrapper quality, with very dense weave and fine yarns, suitable for very high as well standard wrapper tension. "No Moiré" no "Wrapper Marks" with correct machine settings. |
| Q130005 | N35 Quality | => 100g | Very dense weave for fine fabrics. Higher absorbency for reduced risk of water marks. "No Moiré" no "Wrapper Marks" with correct machine settings. |
| Q130007 | N25 2/1 Raised Quality | => 100g | Raised finish for soft, dull, finish on light weight fabrics. "No Moiré" no "Wrapper Marks" with correct machine settings. |
| Q130010 | TC/N35 Quality | => 130g | PES/CO blend in warp direction. Fully heat-set. Suitable where acid pH is present in finishing operations. No Moiré" no "Wrapper Marks" with correct machine settings. |
| Q130015 Q13---- | W3 Molleton Quality Customer's own specification | => 350g As required | Very Heavy wrapper for processing heavy woollen fabrics. As required |

Decatising Wrapper Selection

Q130000 KB35 QUALITY - SATIN DECATISING WRAPPER

Composition: 65% Cotton/35% Polyamide 370 gsm

The high percentage of Polyamide increases the life span of the wrapper, particularly under neutral pH conditions. The Polyamide allows for a range of finishes to be produced and can be used to produce a lower degree of lustre than a PES/CO wrapper, but by varying the temperature and tension higher lustre finishes can also be achieved.

As the Polyamide is more temperature resistant higher temperatures can be used, at neutral pH, to help prevent water marks or Moiré effects. Whilst the increased flexibility is suitable for operating at low tensions (steaming inside out).

Q130005 N35 QUALITY - SATIN DECATISING WRAPPER

Composition: 65% Cotton/35% Polyamide in warp & 75% Cotton/ 25% Polyamide in weft.

The lower percentage of Polyamide does not significantly reduce the life span, compared with KB35 quality, but absorbs more water vapour with higher Cotton content. This reduces the risk of watermarks and Moiré effects. The softness of the Cotton also allows low lustre finishes to be achieved.

Q130010 TC/N35 QUALITY - SATIN DECATISING WRAPPER

Composition: Warp 67% Cotton/33% Polyester; Weft 65% Cotton/35% Polyamide – Fully heat set.

The high percentage of PES in the warp imparts a higher degree of lustre. This type of wrapper is only recommended when acid is used in finishing processes. Under such conditions the operating life of this quality is longer, making it more economical despite the following limitations:

PES/CO wrappers can harden and become less flexible after extended exposure to standard operating temperatures, with the PES becoming very shiny and liable to cracking. Due to the reduced flexibility PES/CO cannot be run at the lowest or highest tensions.

The risk of watermarks or moiré is higher, as PES/CO wrappers cannot absorb as much water. Operating temperatures need to be high to reduce these risks – reducing the lifespan of the wrapper.

Decatising Wrapper Selection

Q130007 N25 2/1 RAISED QUALITY - DECATISING WRAPPER

Composition: 25% Polyamide /75% Cotton warp & weft.

Raised on both the sides, this quality is used mainly for decatising the highest quality fine worsted, and carded woollen or wool-synthetic goods. This quality produces a dull, soft finish with no lustre under standard wrapper tension. The fine satin base prevents weave structure marking off when processing light weight fabrics (<300gsm) that are too fine for the use of a Molleton wrapper.

Low wrapper tension and a lower temperature can be used to create a dull and soft finish, whilst higher wrapper tension with moderate temperature can create a harder but still dull finish.

Q130015 W3 QUALITY - MOLLETON DECATISING WRAPPER

Composition: 65% Cotton/35% Polyamide in warp & 100% Cotton weft. Molleton construction, 685 gsm

Molleton Decatising Wrappers in Cotton or special Cotton–synthetic blend for decatising special carded woollen goods, for example heavy weight fabrics for coats or gabardine fabric. Creates a volumised, dull and soft finish under standard or low wrapper tension, and low temperature. With higher wrapper tension and moderate temperature a harder but still dull finish can be achieved.

The heavy weight of the wrapper is not pulled in when processing heavy weight fabrics and also compensates for end marks when processing these types of fabric.

Q150000 NOMEX* CYLINDER COVERING/ UNDER-BEDDING

A foundation covering applied directly on the cylinder for autoclave and finish decatising machines. Provides protection for the bedding and wrappers, prolonging the lifespan of both, and assists in ensuring a uniform distribution of steam.

Under-bedding also reduces the need for cleaning of the cylinder.

Q130020 BEDDING WRAPPER

Decatising Wrapper Specifications

| <u>Product Code</u> | <u>Description</u> | <u>Construction</u> | <u>Ends /cm</u> | <u>Picks /cm</u> | <u>Weight (g/M²)</u> | <u>Air Perm (lm²/sec/20cm² /100Pa)</u> | <u>Tensile Strength (N)</u> | <u>Dimensional Stability to Steam (%)</u> |
|---------------------|--------------------|--|-----------------|------------------|---------------------------------|--|-----------------------------|---|
| | | | * Loom State | | +/- 10/M ² | BS EN ISO 9237 | BS EN ISO 13934-1: 2013 | BS 4323: 1979 (1995) |
| Q130000 | KB35 | Warp & Weft 65% Cotton/35% Polyamide | 31 | 123 | 375 | 43 | Warp: 930 Weft: 1540 | Warp: -2.4 Weft: -0.4 |
| Q130005 | N35 | Warp: 65% Cotton /35% Polyamide Weft: 75% Cotton /25% Polyamide | 31 | 120 | 368 | 43.5 | Warp: 1085 Weft: 1615 | Warp: -1.2 Weft: -0.4 |
| Q130010 | TC/N35 | Warp: 67% Cotton /33% Polyester Weft: 65% Cotton /35% Polyamide | 28 | 125 | 370 | 53 | Warp: 1875 Weft: 1550 | Warp: -1.2 Weft: -0.8 |
| Q130015 | W3 Molleton | Warp: 65% Cotton /35% Polyamide Weft: 100% Cotton | 20 | 42 | 685 | 18.5 | Warp: 860 Weft: 1315 | Warp: -2.9 Weft: 0.0 |

