

STRETCH FABRICS



QUALITY THAT WORKS



KLOPMAN'S STRETCH FABRIC RANGE.

Comfort, durability and consistency at once.

Klopman presents to the market a completely new collection of poly-cotton stretch fabrics to offer the wearer superior comfort, flexibility and supreme fitness for purpose.

Klopman stretch fabrics redefine what can be expected from a workwear garment in terms of comfort, thanks to greater freedom of movement and total ease of wear. Superior stretch and recover qualities ensure clothes can flex and respond to movement without placing strain on their construction, which means they keep their original shape and appearance.

There are four fabric options, to meet every customer's need, bringing more comfortable working conditions to more and more sectors. These fabrics allow people to work more easily and more efficiently, with garments maintaining their original shape and structure. All of which enhances confidence and a sense of wellbeing in the wearers.

Yet, at the same time, they have been specifically developed to be durable, practical, hardwearing, easy to care for and long-lasting.



BI-STRETCH

WEAVEX AND TWIFLEX



K-FLEX

ELASTOMERIC STRETCHABILITY



STAR-LINE

MECHANICAL STRETCH



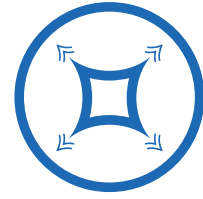
COOL STRETCH

CORPORATE

STRETCHABILITY MEETS FRESHNESS

BI-STRETCH

WEAVEX AND TWIFLEX



Weavex and Twiflex are the latest arrivals in Klopman's stretch family of fabrics. They can be stretched in all directions and have been specifically conceived to give extra comfort and freedom of movement to the wearer.

The superior stretch and recover qualities of these fabrics make them ideal for all kinds of physically active occupations and can be washed industrially at 75°C.

Two different fabric types unified by the unique stretchability characteristics.

The comfortable alternative

Weavex is 100% polyester with unique characteristics in terms of comfort that make it suitable for every working environment, including the hospital sector, where comfort is a must. The excellent stretch and recovery in both directions, crosswise and lengthwise, guarantees that the garments move as you move and bounce back when you change positions. This makes this fabric suitable for all working applications especially the medical and heavy-duty industries.

On the other hand, Twiflex, with a high cotton content and 6% XLANCE fibre in its composition, is the perfect solution, merging comfort, industrial launderability and breathability together.



FEATURES

- **BI-STRETCH**
for maximum freedom of movement for the wearer
- **USED FOR FULL GARMENTS OR PART OF IT**
to increase the flexibility when used together with non stretch fabrics
- **MADE TO LAST**
with permanent elasticity properties



INDUSTRIAL LAUNDERABILITY at 75°C



TECHNICAL INFORMATION

Fabric	Weight	Blend	Finish	Weave
Weavex 130	130 g/m ²	100% Polyester	Pure	2x2 Z Twill
Weavex 195	195 g/m ²	100% Polyester	Pure	2x2 Z Twill
Twiflex 275	275 g/m ²	47% Cotton - 47% Polyester - 6% EOL (XLANCE)	Crease-resist OC1	2x1 S Twill

K-flex

ELASTOMERIC STRETCHABILITY



K-Flex is a new range of fabrics that blends the XLANCE® fibre elasticity with the tenacity of polyester and the breathability of cotton. This innovative and advanced elastomeric fibre combines optimum strength, long-lasting stretch and recovery, great flexibility and the ultimate in shape retention and fit over time. All resistant to repeated industrial washing.

Durable elasticity

With K-Flex fabrics, workwear can now have stretch properties similar to everyday garments, making them very comfortable to wear, with excellent stretch and recovery characteristics. The excellent breathability of the fabric adds to that feeling of comfort. K-Flex range has high tear strength, along with excellent dimensional stability. They also withstand high-temperature industrial laundering.

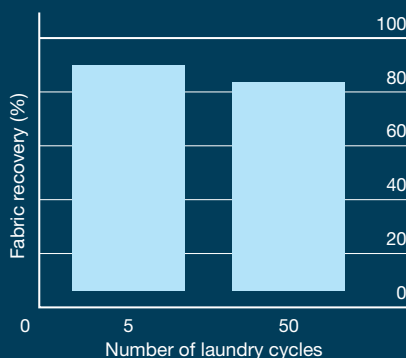


The elastomeric fiber of Xlance is very resistant to high temperatures and makes the fabric extremely resistant overtime.



Moreover it guarantees a solvent free production process, low CO₂ emissions, water saving, a 100% energy sourcing from renewable energy.

Garments remain elastic after 50 industrial laundry cycles

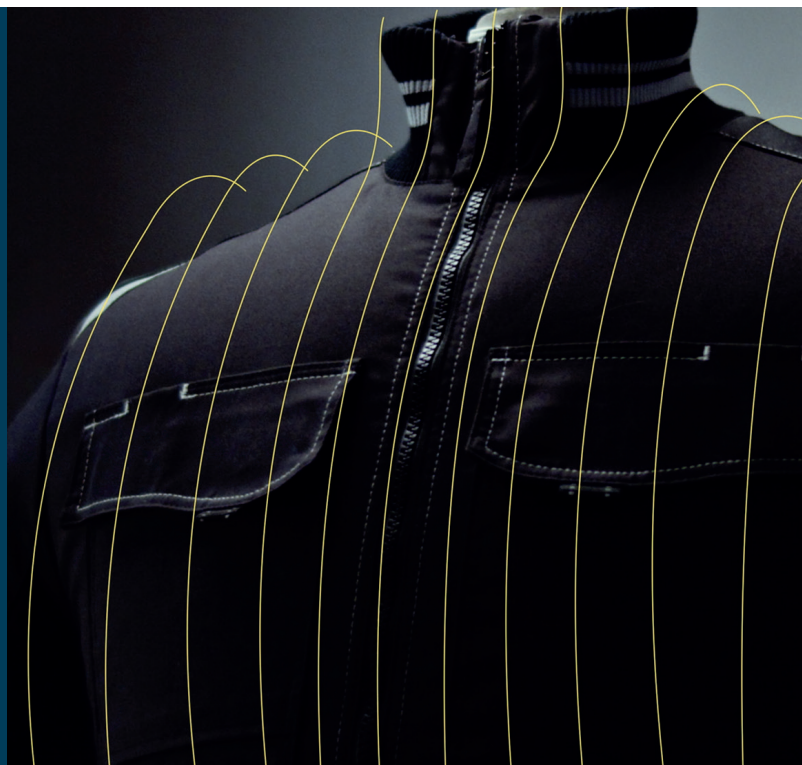


FABRIC COMPOSITION WITH XLANCE FIBRE

63% Polyester
34% Cotton
3% Elastolefin

ASTM 3107

1.8kg load applied and recovery after 30 minutes



FEATURES

- **EXTREME STRETCHABILITY WITH A FASTER RECOVERY**
- **STYLE AND DESIGN:** great versatility for garment designers thanks to a closer cut and fit
- **VERSATILITY:** a wide range of product weights make it ideal for all kinds of working conditions



EASY CARE & INDUSTRIAL LAUNDERING (according to ISO 15797)

Freedom for the designer's imagination

The K-Flex exclusive blend gives the fabric a hand drape and texture which makes it easy for clothing designers to create a truly stylish look to the finished garment, thanks to a closer cut and fit.

TECHNICAL INFORMATION

Fabric	Weight	Blend	Finish	Weave
K-Flex 150	150 g/m ²	48,5% PES - 46,5% CO - 5% EOL (XLANCE)	Crease-resist OC1	2x1 S Twill
K-Flex 200	200 g/m ²	49% PES - 49% CO - 2% EOL (XLANCE)	Crease-resist OC1	2x1 S Twill
K-Flex 215	215 g/m ²	65% PES - 32% CO - 3% EOL (XLANCE)	Crease-resist OC1	2x1 S Twill
K-Flex 220	220 g/m ²	48,5% PES - 48,5% CO - 3% EOL (XLANCE)	Crease-resist OC1	2x1 S Twill
K-Flex 220 Indigo	220 g/m ²	57% PES - 40% CO - 3% EOL (XLANCE)	Crease-resist OC1	3x1 Z Twill
K-Flex 245	245 g/m ²	62,5% PES - 33,5 % CO - 4% EOL (XLANCE)	Crease-resist OC1	2x1 S Twill
K-Flex 245 Panama	245 g/m ²	62% PES - 33% CO - 5% EOL (XLANCE)	Crease-resist OC1	Panama
K-Flex 285	285 g/m ²	64% PES - 33% CO - 3% EOL (XLANCE)	Crease-resist OC1	3x1 S Twill
K-Flex 285 Panama	285 g/m ²	54% PES - 43% CO - 3% EOL (XLANCE)	Crease-resist OC1	Panama
Chalford Flex	215 g/m ²	65% PES 32% CLY (TENCEL™) 3% EOL (XLANCE)	Crease-resist OC1	Twill 2X1 S



STAR-LINE

MECHANICAL STRETCH



Polyester/cotton blended fabrics produced using Klopman's fabric construction technology, with a special weaving technology that gives them a 'natural' stretch without the need for any added fibres to enhance their performance.

Security has never been so comfortable


Thanks to its unique stretchability, Klopman's Star-line gives garments an extra dimension of flexibility and comfort, while their crease-resist finish helps to maintain a crisp and smart appearance.

The elasticity of the fabric makes the clothes feel extremely comfortable throughout the working day, even in physically demanding work environments. Suitable for industrial laundering, the fabrics have outstanding performance characteristics, including resistance to shrinkage and pilling, colour fastness, and high tensile/tear strength. They are all extremely durable and have been thoroughly tested to withstand all sorts of applications.

**Mechanical
Stretch**



FEATURES

- **FREEDOM OF MOVEMENT**
for the wearer
 - **PERMANENT ELASTICITY PROPERTIES**
thanks to an exclusive mechanical interlace
 - **UNALTERED FABRIC PERFORMANCE:** tear/tensile strength, abrasion and colour resistance all exactly in line with the highest Klopman standards
-  **INDUSTRIAL LAUNDERABILITY at 75°C**

From light work to heavy duty: an extensive range

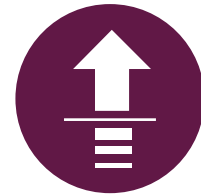
This selection of fabrics offers an extensive choice of weights and colours, so they can be used in a great variety of men's and women's imagewear garments – from casual wear to heavy duty wear. Lightweight fabrics, such as Starlight, are ideal for medical and catering industries, while products like Showstar and Starmaker more than satisfy the specific requirements of medium and heavy industries. Indigostar is a completely new collection of poly-cotton mechanical stretch fabrics with a denim look in black and blue. They are all extremely durable and suitable for industrial laundering.

TECHNICAL INFORMATION

Fabric	Weight	Blend	Finish	Weave
Indigostar 180	180 g/m ²	65% PES / 35% Co	Crease resist	2x1 Z Twill
Indigostar 215	215 g/m ²	65% PES / 35% Co	Crease resist	2x1 Z Twill
Indigostar 250	250 g/m ²	65% PES / 35% Co	Crease resist	3x1 Z Twill
Indigostar 275	275 g/m ²	65% PES / 35% Co	Crease resist	3x1 Z Twill
Starlight	205 g/m ²	65% PES / 35% Co	Crease resist	2x1 Z Twill
Starmaster	200 g/m ²	60% Co / 40% PES	Crease resist	2x1 Z Twill
Starfield	235 g/m ²	65% PES / 35% Co	Crease resist	Panama
Showstar	250 g/m ²	65% PES / 35% Co	Crease resist	2x1 Z Twill
Starmaker	290 g/m ²	65% PES / 35% Co	Crease resist	3x1 Z Twill
Bluestar BT	290 g/m ²	65% PES / 35% Co	Crease resist	Broken Twill

COOL STRETCH

FRESHNESS



With superb comfort with maximum freedom of movement, these fabrics guarantee excellent stretch performance. Superior moisture management, together and long-lasting fit characteristics make Klopman's Cool Stretch range, composed of two different fabric weights - Escalade and Lagonda - the best choice for work in all conditions.

Evaporation cooling system

Klopman's Escalade and Lagonda stretch fabrics are certified for LYCRA® TOUGHMAX™ technology as well as COOLMAX® core technology. They contain INVISTA's LYCRA® T400® fibre.

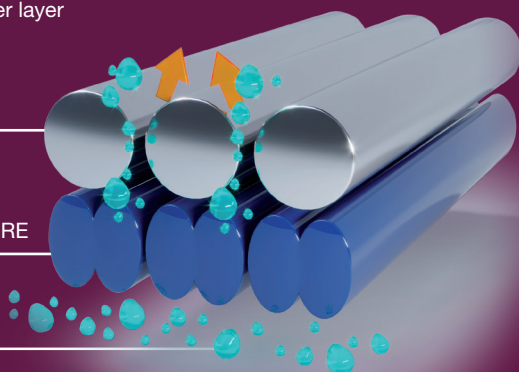


Uniquely engineered to give an increased surface area, the profile of this fibre has special channels which pull moisture away from the skin to the outer layer of the fabric – where it quickly evaporates. As a result, the wearer feels cooler and more comfortable, with no unpleasant wetness next to the skin. The fibre also gives the fabric excellent stretch retention and recovery, providing the wearer the added benefits of fit and comfort.

Fabric outer layer

T400® FIBRE

Moisture



LYCRA® TOUGHMAX® and COOLMAX™ are trademark of INVISTA.



- **VERSATILITY:** developed for a wide range of garments. Both Escalade and Lagonda fabrics are ideal for all kinds of image workwear applications, particularly front-office, where projecting a positive company image is essential
- **MOISTURE MANAGEMENT:** through the combination of stretch with moisture management properties, both fabrics are ideal for warm environments and all kinds of physically active occupations
- **SUPERB COMFORT:** the combination of excellent stretch performance and moisture management properties ensures an unrivalled level of comfort
- **FREEDOM FOR THE WEARER**
- **EASY CARE** laundering up to 60°C

Feel good, look good

These fabrics also have a smooth and soft hand. They hold a permanent crease and retain their shape and fit, even after repeated washing, staying neat and fresh-looking throughout the working day. So, garments always look good and present a confident, professional image to the outside world – while the wearer feels an enhanced sense of value and wellbeing.

These fabrics not only bring more freedom to the wearer, they offer garment designers much greater versatility, allowing new ideas to be introduced - from the basic essentials of everyday workwear to the stylish tailoring of top-end imagewear - thanks to the smaller cut and fit made possible by the fabric.

TECHNICAL INFORMATION

Fabric	Weight	Blend	Finish	Weave
Lagonda	205 g/m2	40% CO - 30% EME (LYCRA® T400® Fibre) - 30% PES	Regular	2x1 S Twill
Escalade	295 g/m2	46% CO - 38% EME (LYCRA® T400® Fibre) - 16% PES	Regular	3x1 Z Twill



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