

# Coats® Eloflex AS™

Eloflex AS is a great option for soft and secure stretch seams designed for the needs of outdoor performance sportswear, woven outerwear and next-to-skin garments. Its controlled elongation minimises the risk of seam extension failure on stretch fabrics.

The lower dynamic friction values of Eloflex AS also enhance the uniformity of the stitch formation allowing neat, well balanced seams.

COATS  
eloflex as



STRETCH POLY

## WHY CHOOSE ELOFLEX AS?

- Eloflex AS delivers high extensibility and good seam strength with excellent sewability
- Minimises the risk of seam extension failure on stretch fabrics
- The AS finish provides exceptional thread surface protection during sewing to allow for longer seam life
- High stretch and controlled elongation
- The reduced frictional values allow smoother thread pull off through the sewing machine helping to deliver longer lasting seams
- Standard 100 by Oeko-Tex® Class I

## MAIN USES:

- For stretch seams in sportswear and activewear

## PRODUCT RANGE

Article Ticket	Ticket	Tex	Length	Average Strength	Elongation % Min - Max	Recommended Needle Size Metric
03A3180	180	18	3,000 M	560	40 - 70	65 - 75
03A3120	120	27	3,000 M	900	40 - 80	75 - 90
03A3080	080	40	3,000 M	920	45 - 85	75 - 90
03A3060	060	50	3,000 M	1,020	40 - 70	80 - 90



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## AREAS OF APPLICATION

For lockstitch applications, always use Eloflex both in the needle and the bobbin to achieve optimal stretch in the seam. Coats Eloflex has a high initial modulus which enables it to deliver the good loop formation properties that are critical to good machine sewing.

For soft and secure stretch seams for performance sportswear and next to skin garments, please refer to the below recommendations with Eloflex:

Stitch Type	Seam Description		Stretch Soft	
			Option 1	Option 2
301	Lockstitch Operations	Needle Bobbin	Eloflex 120 Eloflex 120	Eloflex 120 Eloflex 120
406	Coverseams	Needle Looper	Eloflex 120 Gramax 160	Eloflex 120 Seamsoft 160
504 or 514	Overlock	Needle Looper	Eloflex 120 Gramax 160	Eloflex 120 Seamsoft 160
605 or 607	Flatseams	Needle Looper Spreader	Eloflex 120 Gramax 160 Gramax 160	Eloflex 120 Seamsoft 160 Gramax 160

## CHEMICAL PROPERTIES

Mineral acids:	Resistant to most mineral acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Generally unaffected, but soluble in some phenolic compounds
Bleaching:	Unaffected
Insects / microorganisms (mildew, rot):	Unaffected
Laundering/ dry cleaning:	Unaffected
Moisture regain	0.2%



## FASTNESS PROPERTIES

Wash Fastness 60°C	ISO 105-C10C	Grade 4
Water Fastness	ISO 105-E01	Grade 4
Hypochlorite Fastness	ISO 105-N01	Grade 4
Dry Cleaning Fastness	ISO 105-D01	Grade 4
Perspiration Fastness	ISO 105-E04	Grade 4
Artificial Light Fastness	ISO 105-B02	Grade 4

These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels.

Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2020

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## EXPERT REAL WORLD SUPPORT

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



### Seamworks

Install our Seamworks software to accurately calculate costs prior to production, putting an end to the risk of over or under ordering materials, and incurring unnecessary extra costs. The Seamworks tool is provided with installation, training and ongoing support included.



### One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



### Training and Presentations

From thread selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



### Embroidery Service Centre

Our Embroidery Service Centre makes embroidering a design much easier, increasing productivity at the same time as enhancing the design itself. Email the design and any problematic issues to us and our technicians will email the improved design right back.



### Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

## OTHER PRODUCTS IN THE ELOFLEX RANGE

To complement the Eloflex range, we also have a selection of specialist Eloflex threads. Each of these combines the superior properties of the Eloflex product with additional benefits specific to the end use.

Product Name	Description
Eloflex	Stretch Poly sewing thread for high extension, stretch seams.

Special use Eloflex products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.



STRETCH POLY

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results

For more information, talk to your Coats representative today or visit [www.coats.com/eloflex-as](http://www.coats.com/eloflex-as)

