

## 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 sportwear 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





# Coats Eloflex AS

## **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		Stretch Soft		
	Description		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%



Wash Fastness 60°C	ISO 105-C10C	Grade 4
Water Fastness	ISO 105-EO1	Grade 4
Hypochlorite Fastness	ISO 105-NO1	Grade 4
Dry Cleaning Fastness	ISO 105-D01	Grade 4
Perspiration Fastness	ISO 105-EO4	Grade 4
Artificial Light Fastness	ISO 105-BO2	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 on use. Coats accepts no liability for 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.



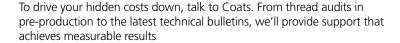
Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we guickly turn ideas into prototype designs ready for manufacturing.

# 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.		





For more information, talk to your Coats representative today or visit wwww.coats.com/eloflex-as



