

**COATS**  
*aptan for  
apparel*



CONTINUOUS  
FILAMENT  
NYLON 6.6

# Coats® Aptan™ for Apparel

Coats Aptan for Apparel is a lubricated nylon thread made from pre-stabilised continuous filament nylon 6.6. It has controlled stretch characteristics and a soft, low friction finish which reduces the effects of needle heat and offers excellent abrasion resistance.

## WHY CHOOSE APTAN FOR APPAREL?

- Compared with the typical apparel sewing threads made from polyester Aptan for Apparel has higher strength and slightly higher elongation properties. Treated with specially formulated lubricant, Coats Aptan for Apparel offers excellent frictional characteristics during high speed sewing operations
- Discover how Aptan for Apparel can transform your products. Download our product information sheet or contact one of our experts
- STANDARD 100 by OEKO-TEX® CLASS I
- Suitable for vegan requirements

## MAIN USES:

- End-to-end garment lifecycle intension/same fibre recycling on polyamide fabric
- Garment overdye programmes on polyamide fabric (use Aptan in NATRL colour)
- Stretch trousers and stretch denims (not subject to bleach wash)



# Aptan for Apparel

## PRODUCT RANGE

Art/Tkt	Ticket	Tex	Length	Average Strength	Elongation %	Recommended Needle Size
				cN	Min - Max	
S063192*	192	16	5000m	810	30 - 40	65 - 75
S056122*	122	24	4000m	1440	18 - 32	75 - 90
S05E122*	122	24	3000m	1440	18 - 32	75 - 90
S063120	120	24	5000m	1580	18 - 32	75 - 90
S163080	80	35	2000m	2160	18 - 32	75 - 90
S162062*	62	45	2250m	3090	20 - 32	90 - 100

\* High twist version for higher speed apparel sewing. NOTE - these have higher elongation properties.



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 2022

## THERMAL PROPERTIES

Melts at 250 - 260°C, softens at 220 - 240°C

Shrinkage less than 1% @ 150°C

## CHEMICAL PROPERTIES

Mineral acids: Decomposed by strong mineral acids but resistant to weak acids

Alkalis: Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures

Organic solvents: Generally unaffected

Bleaching: Unaffected, deterioration dependant on conditions

Insects / microorganisms (mildew, rot): Unaffected

Moisture regain: Approximately 4.5%

## FASTNESS PROPERTIES

Wash fastness 60°C:	ISO 105 C10C	Grade 4
Water fastness:	ISO 105 E01	Grade 4
Rub fastness:	ISO 105 X12	Grade 4 (cotton)
Artificial light fastness:	ISO 105 B02	Grade 3-4 (minimum)

These fastness grades represent minimum performance levels. For special fastness requirements, reference should be made to Coats Technical Services.

All factors should be taken into consideration when transitioning a sewing line from polyester corespun thread (e.g. Coats Epic) to any continuous filament thread as an element of adjustment is most certainly necessary and machines may need to be run at lower speeds.



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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.

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 [coats.com/aptan-for-apparel](https://www.coats.com/aptan-for-apparel)

## OTHER PRODUCTS IN THE APTAN RANGE

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

Product Name	Description
Aptan	30% stronger than standard nylon thread it has a high strength-to-fineness ratio for fine yet durable seams.

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



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