

COATS
epic



POLYESTER
CORESPUN WITH
POLYESTER WRAP

Coats® Epic™

Coats Epic thread is a versatile quality polyester cospun sewing thread used by leading brands and manufacturers worldwide to make their products better. Coats Epic can be used in many different applications and in a wide range of fabrics from delicate silks to robust denims and high tech performance materials; at all times ensuring excellent stitch formation and good looking seam appearance.

Choosing to use Coats Epic will not only enhance the appearance of sewn products but can greatly improve the productivity and performance of a sewing production line. Finished with a specially formulated lubricant it delivers excellent sewing performance at low tension under the most demanding of conditions.



WHY CHOOSE EPIC?

- Epic is a stronger, more durable, precisely engineered sewing thread whose superior performance results in benefits to customers such as lower repair rates, reduce consumer returns, lower irregulars and increased productivity
- World-class quality, greater abrasion resistance and perfect colour matching also explain why Epic is the thread of choice worldwide
- The high strength core allows use of finer threads and needles without compromising strength compared to staple spun threads
- Excellent colour fastness performance level
- Standard 100 by Oeko-Tex® Class I

MAIN USES:

- Fashion apparel
- Blouses and shirts
- Jackets and dress slacks
- Lingerie and swimsuits
- Uniforms and workwear
- Jeanswear
- Various leather articles



Coats Epic



PRODUCT RANGE

| Article Ticket | Ticket | TEX | Length | Average Strength cN | Elongation % Min - Max | Recommended Needle Size Metric |
|----------------|--------|-----|---------|---------------------|------------------------|--------------------------------|
| 2994180 | 180 | 18 | 5,000 M | 780 | 17 - 22 | 65 - 75 |
| 2994150 | 150 | 21 | 5,000 M | 980 | 17 - 22 | 65 - 75 |
| 2994140 | 140 | 24 | 5,000 M | 980 | 17 - 21 | 75 - 90 |
| 2994120 | 120 | 24 | 5,000 M | 1,190 | 17 - 22 | 75 - 90 |
| 2993120 | 120 | 24 | 3,000 M | 1,190 | 17 - 22 | 75 - 90 |
| 2994100 | 100 | 30 | 5,000 M | 1,490 | 17 - 22 | 75 - 90 |
| 2993100 | 100 | 30 | 3,000 M | 1,490 | 17 - 22 | 75 - 90 |
| 2994080 | 080 | 40 | 5,000 M | 1,960 | 18 - 24 | 90 - 110 |
| 2993080 | 080 | 40 | 3,000 M | 1,960 | 18 - 24 | 90 - 110 |
| 2994060 | 060 | 50 | 5,000 M | 2,270 | 18 - 24 | 100 - 110 |
| 2994050 | 050 | 60 | 5,000 M | 3,040 | 18 - 25 | 100 - 120 |
| 2993050 | 050 | 60 | 3,000 M | 3,040 | 18 - 25 | 100 - 120 |
| 2994040 | 040 | 80 | 5,000 M | 3,940 | 18 - 25 | 100 - 120 |
| 2993040 | 040 | 80 | 3,000 M | 3,940 | 18 - 25 | 100 - 120 |
| 2994030 | 030 | 105 | 5,000 M | 4,790 | 18 - 25 | 110 - 130 |
| 2993030 | 030 | 105 | 3,000 M | 4,790 | 18 - 25 | 110 - 130 |
| 2994028 | 028 | 105 | 5,000 M | 5,910 | 18 - 25 | 110 - 130 |
| 2993028 | 028 | 105 | 3,000 M | 5,910 | 18 - 25 | 110 - 130 |
| 2994025 | 025 | 120 | 5,000 M | 6,080 | 18 - 25 | 120 - 140 |
| 2993025 | 025 | 120 | 3,000 M | 6,080 | 18 - 25 | 120 - 140 |
| 2993020 | 020 | 135 | 3,000 M | 7,150 | 18 - 25 | 120 - 140 |
| 2993012 | 012 | 210 | 3,000 M | 9,800 | 20 - 25 | 180 - 230 |

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: | 0.4% |

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 5 |



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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.

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

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 2021

OTHER PRODUCTS IN THE EPIC RANGE

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

| Product Name | Description |
|-----------------------------|---|
| Epic EcoVerde | Epic EcoVerde is a 100% recycled premium polyester corespun sewing thread that has been precisely engineered to create durable, attractive seams across a wide range of recycled fabrics and materials. |
| Epic AS | Range of threads designed for outdoor wear and engineered to provide excellent static and dynamic friction values which reduce leakage of 'down' through the needle hole. |
| Epic AWF | Free of perfluorinated compounds (PFCs), an environmentally friendly, anti-wicking thread for water-resistant outdoor wear and workwear. |
| Epic RD | Polyester corespun thread conforms to U.S. Legislation CFR1615 and BS EN 14878:2007 (Nightwear Safety Regulations) in children's nightwear. |
| Epic Multicolour | A pure polyester thread that is a part of the flagship Epic range of threads and gives each garment a truly unique finish. |
| Epic Protect | Coats Epic Protect sewing thread is treated with an innovative process to give the finished thread anti-microbial / anti-fungal properties. |
| Epic Rugged | High-tech thread which combines the strength, performance and superior properties of Epic with bleach-fastness for a thread that can withstand denim wash processes. |
| Epic EcoVerde Rugged | Epic EcoVerde Rugged is designed for denim sewing. It has all the superior properties of Epic and in addition, is particularly resistant to harsh wash processes containing bleach. |
| Epic SIF | Polyester covered corespun thread that is free from silicone and ideal for filtration needs within the automotive industry. |
| Epic Supermax | Ultimate sewing thread for smooth, premium-looking seams on fine tailoring and high quality garments. |
| Epic Verifi | Versatile quality polyester corespun sewing thread with an embedded security system. |

Special use Epic 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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