



Coats Ultra Lock (apparel)

Coats Ultra Lock is a 100% polyester sewing thread with a unique construction that has been specifically designed for use on a comprehensive range of sewing equipment used in apparel production from lightweight knitted active wear to heavyweight denim jeanswear.

Produced using a 100% polyester continuous filament base, Coats Ultra Lock provides a range of benefits compared to ordinary staple spun polyester sewing threads.

The benefits of Coats Ultra Lock over ordinary staple spun polyester threads include enhanced strength, increased elongation, improved sewing performance and higher abrasion resistance.

Coats Ultra Lock is a highly engineered hybrid sewing thread designed to deliver excellent machine performance, seam strength, seam elongation and durability.

100% POLYESTER

Product Information



Main Uses:

- Knitted and woven active wear
- Knitted and woven casual garments
- Workwear
- Sportswear
- Denim wear

Why choose Ultra Lock?

Compared to ordinary staple spun polyester threads

- Unique construction and lower fault levels deliver superior sewing performance.
- No surface hairiness results in a neater / cleaner seam appearance.
- Smooth surface creates less disturbance of the yarns in woven fabrics resulting in less seam puckering.
- Higher tenacity provides improved seam strength.
- Specially formulated lubrication delivers low friction sewing.
- Meets Coats restricted substance list.

Technical Services

Our team of experts deliver innovative solutions globally.





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Product Information

Tex	Ticket	Ply	Strength cN	Elongation % Min - Max	Needle Size Metric
18	180	2	705	24 - 30	65 - 75
24	120	3	1020	24 - 30	65 - 75
35	80	2	1510	24 - 30	75 - 90
45	60	2	1665	20 - 28	90 - 100
70	40	3	2600	22 - 30	100 - 120
105	25	3	4410	22 - 30	120 - 140
150	18	3	5440	24 - 32	130 - 160
200	13	4	7300	24 - 32	160 - 180

Thermal Properties:

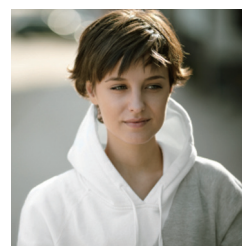
- Melts at 250 - 260°C, softens at 220 - 240°C

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: | ISO 105 C10 C | Grade 4 |
| • Water fastness: | ISO 105 E01 | Grade 4 |
| • Rub fastness: | ISO 105 X12 | 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 |



Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure herself or himself 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 above 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 from 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.

