

Coats® EcoCycle™

Range of threads created to facilitate disassembly of a garment within industrial recycling centres at end of life. Coats EcoCycle is one of the first water dissolvable thread of its kind that overcomes the challenges associated with garment recycling by dissolving at 95°C on a 30 minutes wash cycle.

COATS
ecocycle



WATER DISSOLVABLE

WHY CHOOSE ECOCYCLE?

- Allows for the easy separation of non-textile and textile components for end of life recycling
- Available in 4 different sizes, which means it is suitable for a wide range of apparel applications
- EcoCycle is available in Natural and 15 different colours
- No impact on garment integrity or quality when washed at up to 40°C
- Cradle to Cradle Platinum Certified
- Standard 100 by Oeko-Tex® Class I

MAIN USES

- Intimates
- Childrenswear
- Womenswear
- Shirts
- T-Shirt
- Menswear
- Knitwear or fast fashion apparel



Coats EcoCycle

PRODUCT RANGE

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
EL05120	120	27	5,000 M	800	16 - 21	75 - 90
EL05080	080	35	5,000 M	1,000	16 - 21	80 - 100
EL07060	060	50	2,500 M	1,450	16 - 21	100 - 110
EL07030	030	90	2,500 M	2,750	16 - 21	100 - 120

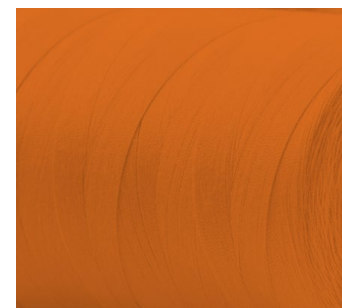
FASTNESS PROPERTIES

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
Rub Fastness Wet	ISO 105-X12	Grade 4
Rub Fastness Dry	ISO 105-X12	Grade 4

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

CHEMICAL PROPERTIES

Mineral acids:	Soluble in water as well as in organic compounds also containing hydroxyl such as glycerol, glycol, acetic acid, acetaldehyde and benzoic acid
Alkalis:	Good resistance towards Alkaline
Organic solvents:	It is insoluble in organic solvents but slightly soluble in ethanol
Bleaching:	Avoid using bleach or bleach-containing products
Insects / microorganisms (mildew, rot)	Unaffected
Laundering / dry cleaning:	Unaffected
Moisture regain:	Approximately 5%



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 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. © Copyright reserved 2023



Coats EcoCycle

EXPERT REAL WORLD SUPPORT

The final cost of any product 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 product 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/ecocycle



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