

# Coats® Polymatic™

Coats Polymatic is our global brand for polyester monocord threads. Made from 100% polyester filament, Coats Polymatic is strong, durable, bleach and UV resistant. It is used for the manufacture of light boat tops, sailcloth, towels and ball caps. Coats Polymatic bobbins and belbobs are geared to maximise production on high speed multi-head embroidery and quilting machines.

**COATS**  
*polymatic*



100% POLYESTER



## WHY CHOOSE COATS POLYMATIC?

- Coats Polymatic is UV resistant
- It has good fastness to bleach
- No ply untwisting in zigzag sewing operations
- Popular as under thread in embroidery and comforter quilting markets
- Meets Coats restricted substance list

## MAIN USES:

### Needle thread

- Low denier light sails
- Light boat tops
- Filtration

### Bobbins & Belbobs

- Multi-head embroidery
- Outdoor industry
- Comforter quilting
- H4 automatic bobbin changers



# Coats Polymatic



## PRODUCT RANGE

Tex	Ticket	Dtex/ply	Strength cN	Elongation % Min - Max
12	250	138 x 1	930	10 - 25
18	160	188 x 1	1110	10 - 25
50 / 45	60 / 65	244 x 2	3110	17 - 36
60	50	275 x 3	4450	17 - 35
90	35	275 x 4	7120	17 - 35
70 / 60	45 / 50	704 x 1	4890	17 - 36
90	35	940 x 1	6580	14 - 30
180	16	940 x 2	12890	14 - 30
105	30	1100 x 1	7340	14 - 30
210	15	1100 x 2	14680	14 - 30
135	20	1444 x 1	10680	17 - 36

## THERMAL PROPERTIES

Melting point at 256°C

## CHEMICAL PROPERTIES

Acids:	Decomposed by strong mineral acids but resistant to weak acids
Alkalis:	High resistance to alkalis
Organic solvents:	Generally unaffected
Bleaching:	May be subject to deterioration, dependent in conditions
Insects / microorganisms (mildew, rot):	Resistant to salt water, rot and mildew
Moisture regain:	Very low 0.4%
Sunlight (degradation):	Good resistance to strength loss

## FASTNESS PROPERTIES

Vinyl Transfer	CTC-TP-1032-003	Grade 4 - 5
Water Fastness	ISO 105 E01	Grade 4 - 5



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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 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.



### 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 yarn 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.



### 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 [www.coats.com/polymatic](http://www.coats.com/polymatic)



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