

Coats® Dymax™

Dymax is a fit-for-purpose mercerised cotton sewing thread specifically for garment dye end-use. Dymax is 100% cotton.

For both untreated and mercerised 100% cotton fabrics. Coats Dymax mercerised cotton thread is produced from high quality, long staple cotton specially treated under tension to provide greater lustre and higher strength. The mercerising process also gives the thread a high affinity to the dyestuffs used in post dyeing, making it an ideal choice for sewing both untreated and mercerised 100% cotton fabrics.

COATS
dymax



STAPLE SPUN
COTTON

WHY CHOOSE DYMAX?

- As Dymax is mercerised cotton, the thread takes up the dye consistently giving the best colour result every time
- Dymax thread has a smooth surface and high lustre or shine, resulting in beautiful seams
- Simple one shade production
- Certified to Öko-Tex Standard 100, class I, the most stringent class covering textile items for babies and toddlers
- Meets Coats restricted substance list

MAIN USES:

- Quick response to fashion colours for post dye garments

PRODUCT RANGE

Art / Tkt	TEX	Ticket	Length	Strength cN	Elongation % Min - Max	Needle Size Metric
7000 060	30	60	5000m	830	4 - 9	75 - 80
7000 050	35	50	5000m	1030	4 - 9	80 - 90
7000 040	40	40	5000m	1240	4 - 9	90 - 110
7000 030	60	30	5000m	1820	5 - 9	110 - 120
7000 024	80	24	5000m	2060	5 - 9	110 - 125
7000 018	105	18	5000m	3230	5 - 9	130 - 160



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WORKMANSHIP GUIDELINES:

Tex 30 / Tkt 60	Non load-bearing seams and serging on lightweight fabrics
Tex 35 / Tkt 50	General seams on lightweight fabrics
Tex 40 / Tkt 40	Decorative stitching on lightweight fabrics
Tex 60 / Tkt 30	Construction seams on lightweight fabrics
Tex 80 / Tkt 24	General seaming on heavyweight fabrics
Tex105 / Tkt 18	Load bearing seams on heavyweight fabrics & decorative topstitching on heavyweight fabrics

AREAS OF APPLICATION POST DYED GARMENTS:

- Knitted garments
- Casualwear
- Denimwear
- Shirts

THERMAL PROPERTIES

Burns readily. Decomposes at 400°C
Prolonged exposure to sunlight causes yellowing and strength loss
Good durability. Shrinkage at 100°C typically 1% or less
Sensitive to temperatures greater than 350°C



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 2019

CHEMICAL PROPERTIES

Mineral acids:	Sensitive to mineral acids especially if halogenated
Alkalis:	Swells in caustic mercerising but is not damaged
Organic solvents:	Generally unaffected by most organic solvents. Generally unaffected by sodium hypochlorite, sodium perborate and peroxide bleaches under controlled conditions. There is a probability of strength loss if contaminated with iron during bleaching
Bleaching:	Good resistance to chlorine
Insects / microorganisms (mildew, rot):	Resistant to ageing and moth attacks but sensitive to mildew growth
Moisture regain:	Approximately 8%
Finishing:	The lubricants applied are designed to give consistent performance at high sewing speeds and a minimal variability between shades
Abrasion resistance:	Low

FASTNESS PROPERTIES

Washing at 60°C	(ISO 105 C10:2006 C(3))	Grade 4
Water Fastness	(ISO 105 E01:2010)	Grade 4
Rub Fastness	(ISO 105 X12:2001)	Grade 4
Dry Cleaning Fastness	(ISO 105 D01:2010)	Grade 4
Perspiration Fastness	(ISO 105 E04:2009)	Grade 4
Artificial Light Fastness	(ISO 105 B02:1994)	Grade 4



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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 technological bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit www.coats.com/dymax



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