

COATS  
*gramax*



TEXTURED  
POLYESTER

# Coats Gramax

Coats Gramax is a 100% polyester continuous filament textured thread. The textured filaments give the thread a soft feel and make it ideal for use in the loopers of overlocking, serging and cover seaming to provide softness and comfort, especially in "next-to-skin" seams.

## WHY CHOOSE GRAMAX?

- Gramax provides good seam coverage and softness for neat, comfortable seams
- Low shrinkage characteristics ensure no seam distortion after washing
- High level of colour fastness even in demanding washing conditions
- 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:

- For comfort in all next-to-skin garments
- Sportswear and leisurewear
- Underwear and lingerie
- Babywear
- Household textiles



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## PRODUCT RANGE

Art / Tkt*		TEX	Ticket	Length	Strength cN	Elongation % Min - Max	Needle Size Metric	
vicone	cone							
5744	220	N/A	10	220	10,000m	380	18 - 30	N/A
5743	160	5643 160	18	160	5000m	620	20 - 32	N/A
5743	140	5643 140	21	140	5000m	780	20 - 32	N/A
5743	080	5643 080	35	80	5000m	1270	20 - 32	N/A
5743	040	5643 040	70	40	5000m	2380	20 - 32	N/A

\* Standard put-up length for Gramax is 5000m. For long length put-up 10,000m, use article code 5744 in place of 5743. For 20,000m use 5746.\* In some markets Gramax is on cone put-up, please use article codes starting with 56.

## AREAS OF APPLICATION:

Below are our recommendations for soft & secure next-to-skin seams with Coats Gramax:

Stitchtype		Standard
Coverseams 406	Needle Looper	Epic 120 Gramax 160
Overlock 504 or 514	Needle Looper	Epic 120 Gramax 160
Flatseams 605 or 607	Needle Looper Spreader	Epic 120 Gramax 160 Gramax 160

The softness of a seam relates to a number of factors including the exact choice of thread in needle and spreader, fabric, sewn seam direction, stitch density and thread tension.

For exceptional softness and comfort, please also consider our micro-filament textured polyester thread Seamsoft. Seamsoft is the very best sewing thread for "next-to-skin" seams and is the thread of choice for quality intimate apparel and lingerie.

## THERMAL PROPERTIES

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

Shrinkage less than 5% @ 150°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

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
Hypochlorite Fastness	(ISO 105 N01:1993)	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 [coats.com](http://coats.com)

## OTHER PRODUCTS IN THE GRAMAX RANGE

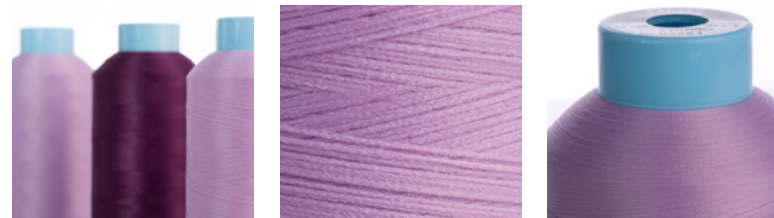
To complement the Gramax range, we also have a selection of specialist Gramax threads. Each of these combines the superior properties of the Gramax product with additional benefits specific to the end use.

Product Name	Description
Gramax RD	100% polyester textured thread which delivers passive flame retardant properties.

Special use Gramax 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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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 2018

