

Coats® Gramax Quilt™

Coats Gramax Quilt is a high performance 100% continuous filament textured polyester thread that is specially designed for a variety of high speed sewing operations in mattress and bedding production.

COATS
gramax
quilt



TEXTURED
POLYESTER

WHY CHOOSE COATS GRAMAX QUILT?

- Made from 100% continuous filament textured polyester, designed for high speed sewing operations
- Uniform lubrication
- Certified to Öko-Tex Standard 100, class I, the most stringent class covering textile items for babies and toddlers

MAIN USES:

- Bedding
- Mattresses
- Multi-needle quilting operations



Coats Gramax Quilt

PRODUCT RANGE

| Ticket | Tex | Dtex / Ply | Average Strength cN | Elongation % Min - Max |
|--------|-----|------------|---------------------|------------------------|
| 30 | 100 | 167 x 2 | 1270 | 20 - 32 |
| 35 | 80 | 167 x 2 | 1270 | 20 - 32 |

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 Fastness 60°C | ISO 105 C10:2006 | 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 |

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



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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 2021



Coats Gramax Quilt

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 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.



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/gramax-quilt

OTHER PRODUCTS IN THE GRAMAX RANGE

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

| Product Name | Description |
|------------------------|---|
| Gramax | 100% polyester continuous filament textured thread. |
| Gramax RD | 100% polyester textured thread which delivers passive flame retardant properties. |
| Gramax Ecoverde | 100% recycled polyester continuous filament textured thread. |
| Gramax Protect | 100% polyester continuous filament textured thread. It is treated with an innovative process to give the finished thread anti-microbial properties. |



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