



Coats® Gral™

Coats Gral is a lubricated polyester thread made from pre-stabilised high tenacity continuous filament polyester. Its higher breaking strength and optimum stretch characteristics produce attractive, fine seams on leather footwear and leather goods. Gral is an excellent sewing thread for all types of leather and has very good abrasion resistance.

COATS
Gral™
Coarse Sizes



CONTINUOUS
FILAMENT POLYESTER

2026

Why choose Coats Gral™ ?

- Coats Gral is an excellent sewing thread for all types of leather and has very good abrasion resistance
- Its higher breaking strength and optimum stretch characteristics produce attractive, fine seams on leather footwear and leather goods
- The soft finish with superior low friction lubrication reduces the effects of needle heat and abrasion
- Coats Gral exhibits excellent loop formation, consistent stitch formation and neat seam appearance
- OEKO-TEX® STANDARD 100, Product Class I

Main Uses:

- Filtration
- Air-bags
- Seat belts
- Automotive interiors
- Suitcases
- Outdoor goods and sports equipment
- Lift slings
- Leather goods
- Multineedle quilting
- Mattresses





Product Range

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size
1322060	060	40	3,000 M	2,620	16 - 22	90 - 100
1345060	060	40	5,000 M	2,620	16 - 22	90 - 100
1322040	040	60	3,000 M	4,230	17 - 22	100 - 110
1302030	030	80	2,000 M	5,200	17 - 26	130 - 140
1322030	030	80	3,000 M	5,200	17 - 26	130 - 140
1302020	020	135	2,000 M	8,360	17 - 27	140 - 160
1322020	020	135	3,000 M	8,360	17 - 27	140 - 160
1302015	015	180	2,000 M	11,400	17 - 29	140 - 160
1302012	012	240	2,000 M	14,730	18 - 34	140 - 160
1302010	010	270	2,000 M	16,630	20 - 35	160 - 180
1320008	008	350	1,000 M	19,480	20 - 36	160 - 180
1302007	007	400	2,000 M	26,410	18 - 34	160 - 180
1302006	006	450	2,000 M	29,740	20 - 37	160 - 180
1320006	006	450	1,000 M	29,740	20 - 37	160 - 180

Fastness Properties

Washing Fastness 60°C	ISO 105-C10 C	Grade 4
Water Fastness	ISO 105-E01	Grade 4
Rub Fastness	ISO 105-X12	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

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%

Thermal Properties

Melts at 250 - 260°C, softens at 220 - 240°C
Shrinkage less than 2.5% @ 150°C





Expert Real World Support

To drive your hidden costs down, talk to Coats. From thread audits in preproduction 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



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.

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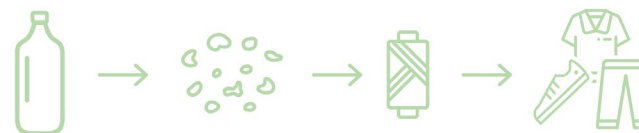


Introducing Coats EcoVerde

COATS EcoVerde™

The first globally available 100% recycled line of GRS certified sewing threads. Coats EcoVerde delivers the same proven level of performance as the industry's leading non-recycled threads, but with a drastically reduced carbon footprint.

Ask Coats today about Coats EcoVerde Gral Coarse Sizes.
www.coats.com



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. Coats® is a registered trademark of J. & P. Coats, Limited. Gral™ is trademark of J. & P. Coats, Limited. © Copyright reserved 2026.

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