



Coats® EcoVerde™ Gral™ AS for Apparel

Coats EcoVerde Gral AS is a lubricated polyester thread made from 100% recycled high tenacity continuous filament polyester. Our AS range of sewing threads are designed to meet the needs of outdoor performance sportswear, woven outerwear and fashion jackets. In drier atmospheric conditions the lower dynamic friction values of Coats EcoVerde Gral AS minimise the attraction of down towards the needle, helping to prevent down leakage through needle holes. The lower dynamic friction values of Coats EcoVerde Gral AS also enhances the uniformity of the stitch formation giving you neat and well balanced seams.



Why choose Coats EcoVerde™ Gral™ AS for Apparel?

- Excellent dynamic friction values reduce leakage of “down” through the needle hole
- Provides solutions for oil-sensitive materials such as CO fabrics
- Delivers consistent loop and stitch formation providing neater, flatter seams
- This high tenacity thread with its exceptional abrasion resistance allows this product to be used in a wide range of applications
- OEKO-TEX® STANDARD 100, Product Class I
- Less energy intensive to produce in comparison to virgin materials, which results in lower carbon emissions during production
- Delivers a similar level of performance as the virgin range, whilst offering sustainability benefits
- Global Recycled Standard (GRS) certified

Main Uses:

- Outdoorwear
- Activewear
- Jackets



Certified to the Global Recycled Standard (GRS) by IDFL, License No. 024352.



Product Range

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
ESG5300	300	10	5,000M	630	17 - 23	55 - 70
ESG5180	180	14	5,000M	920	17 - 24	65 - 75
EV2S120	120	21	3,000M	1,420	16 - 26	75 - 90
ESG2080	080	35	2,000M	2,170	16 - 26	75 - 90
EV2S080	080	35	3,000M	2,170	16 - 26	75 - 90
ESG5080	080	35	5,000M	2,170	16 - 26	75 - 90

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%

To drive your hidden costs down, talk to Coats. From product 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



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