

World of Coats *gramax*

COATS
gramax



Coats *gramax* is a continuous filament textured polyester thread. The textured filaments give the thread a soft feel and make it ideal for use on overlocking and cover seaming machine loopers to provide softness and comfort especially in "next to the skin" seams.

Main Uses:

- Underwear
- Swimwear
- Leisurewear
- Knitwear
- Babywear
- Household textiles



TEXTURED
POLYESTER

Product Information

Features and Benefits:

- Coats *gramax* provides exceptional seam cover and softness resulting in neat, comfortable seams
- High extensibility and seam strength result in good seam security
- The low shrinkage characteristic ensures no seam distortion after washing
- Coats *gramax* offers a high degree of colour fastness providing dependable performance even after the most demanding of wash processes
- Certified to Öko-Tex Standard 100, class 1, the most stringent class covering babywear

World of Coats

- Coats is the largest global thread supplier and has been the world's leading thread company for over 200 years.
- With manufacturing plants in over 40 locations and sales and distribution in more than 60 countries, Coats is uniquely placed to serve your thread needs anywhere in the world.
- Our state of the art colour communications management system, Coats ColourTalk®, enables exact sample matching and colour approval almost instantaneously between locations anywhere around the globe.

One colour range. One specification. Worldwide.

Coats operates to a global specification for Coats *gramax* with quality audited by a centrally located team.



www.coats.com



Global Offer Tex. no.	Total Dtex	Ply	Target strength in grams	Elongation% min - max
18	195	1	650	24 - 31
35	390	2	1350	24 - 31

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Product Information



Physical and chemical properties of textured polyester:

Thermal Properties

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

Chemical Properties

- Mineral acids: Resistant to most mineral acids
- Alkalis: Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at high 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%



Coats *gramax* fastness properties

- Wash Fastness (ISO 105 CO3) Grade 4
- Water Fastness (ISO 105 EO1) Grade 4
- Rub Fastness (ISO 105 X12) Grade 4
- Hypochlorite Fastness (ISO 105 NO1) Grade 4
- Dry Cleaning Fastness (ISO 105 DO1) Grade 4
- Perspiration Fastness (ISO 105 EO4) Grade 4
- Light Fastness (ISO 105 BO2) Grade 4

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

