

COATS

nylbond
protect



ANTI-MICROBIAL
BONDED CONTINUOUS
FILAMENT NYLON 6.6

Coats® Nylbond™ Protect

Coats Nylbond Protect sewing thread is treated with an innovative process to give the finished thread anti-microbial / anti-fungal properties. The anti-microbial process creates a “zone of inhibition” that prevents the growth of bacteria and pathogens around sewn seams where microbes like to harbour, leaving seam crevices clean and fresh.

WHY CHOOSE COATS NYLBOND PROTECT?

- A high tenacity nylon 6.6 thread for outstanding strength and durability with the added benefit of anti-microbial properties.
- Coats Nylbond Protect fights mould and mildew.
- Inhibits bacteria that causes odour.
- Coats Nylbond Protect is stain resistant.
- Excellent abrasion resistance.
- Coats Protect threads meet a number of recognised anti-bacteria and fungi test standards including: AATCC TM90 and ASTM M90 (microbiology activity), ASTM G21 and MIL-Std-810G (fungi), EN/ISO 20743 (anti-bacterial) and the Japanese SEK Blue Label accreditation.

MAIN USES:

- Medical light mattresses
- Medical supports and equipment
- Upholstered furniture
- Military backpacks and equipment
- Sports goods
- Luggage
- Leather accessories
- Automotive seats
- Personal protective equipment



Coats Nylbond Protect

FASTNESS PROPERTIES

Wash fastness	ISO 105 E01	Grade 4
Rub fastness	ISO 105 X12	Grade 4 - 5
Artificial light fastness	SAE J1885 40 kJ/m2	Grade 4

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

THEMAL PROPERTIES

Melting point 250°C
Special in-line dyed Coats Nylbond Protect available

CHEMICAL PROPERTIES

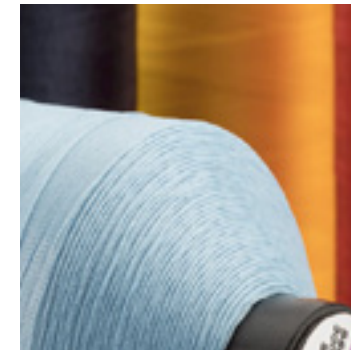
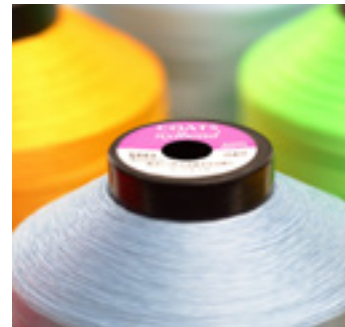
Mineral acids:	Decomposed by strong mineral acids but resistant to weak acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Generally unaffected
Bleaching:	Unaffected
Insects / microorganisms (mildew, rot):	Unaffected
Laundering / dry cleaning:	Unaffected
Moisture regain:	Approximately 4.5%

PRODUCT RANGE

Tex	Ticket	Length	Strength CN	Needle Size	Elongation % Min - Max
35	80	1000m	2160	90-110	15% - 26%
45	60	1000m	3210	90-110	16% - 29%
70	40	2500m	4700	100-120	16% - 29%
105	30	2500m	6100	120-140	16% - 29%
135	20	1000m	9500	130-160	17% - 29%
180	15	1000m	13020	130-160	17% - 29%
210	13	1000m	13330	140-180	17% - 31%
270	10	1000m	18170	160-200	17% - 31%
400	8	1000m	23090	180-230	17% - 32%



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Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure herself or himself 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 above 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 Nylbond Protect

EXPERT REAL WORLD SUPPORT

The final cost of any product 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 product 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.

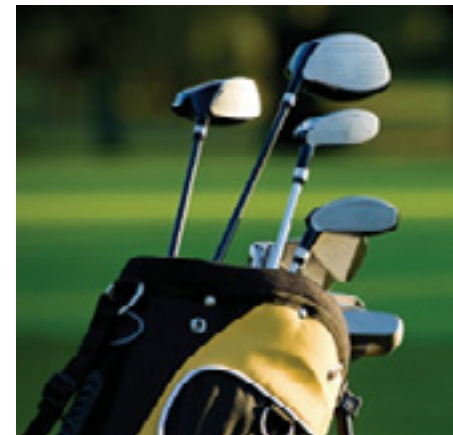


Innovation Hub

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 [coats.com/nylbond-protect](https://www.coats.com/nylbond-protect)



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