

Coats® Prolene™

Coats Prolene is a continuous filament polypropylene sewing thread. The product provides excellent resistance to acids, alkalis and solvents as well as a good hydrolysis resistance of up to 90°C. Because of its special lubrication, Coats Prolene delivers good sewing performance in the sewing of filters, industrial bags and many other technical applications.

COATS
prolene



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FILAMENT
POLYPROPYLENE

WHY CHOOSE PROLENE?

- Excellent resistance to acids, alkali and solvents
- Good hydrolysis resistance of up to 90°C
- Good sewing performance

MAIN USES:

- Filters
- Industrial bags
- Many other technical applications



Coats Prolene

PRODUCT RANGE

Tex	Ticket	Dtex / Ply	Strength cN	Elongation % Min - Max
60	40	220 x 3	3800	20 - 32
80	30	220 x 4	5035	24 - 36
70	40	235 x 3	4448	15 - 27
90	30	235 x 4	5782	20 - 32
90	35	330 x 3	4275	20 - 34
135	20	235 x 6	6956	27 - 39
166	18	550 x 3	6338	18 - 37
105	30	1100 x 1	4955	15 - 25
210	12	1100 x 2	13333	15 - 27
300	8	1100 x 3	17765	20 - 32
500	6	1670 x 3	15984	30 - 40

THERMAL PROPERTIES

Melts at 170°C, softens at 150°C

Shrinkage of a maximum 10% at 110°C

CHEMICAL PROPERTIES

Mineral acids:	Excellent resistance (no attack) to dilute and concentrated mineral acids
Alkalis:	Excellent resistance (no attack) to dilute and concentrated alkalis
Organic solvents:	Excellent resistance to organic solvents
Insects / microorganism (mildew, rot):	Unaffected
Flammability:	Low flammability
UV:	Poor UV resistance
Moisture regain:	Moisture regain 0% Low moisture absorption rate
Staining:	Resistant to staining



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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 2020

Coats Prolene

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 yarn 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/prolene



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