

COATS  
*pyrostar*



100% SPUN  
META ARAMID

# Coats<sup>®</sup> Pyrostar<sup>™</sup>

Coats Pyrostar is a 100% long staple spun meta-aramid sewing thread offering outstanding, permanent heat and flame protection up to 370°C.

Coats Pyrostar is suitable for the sewing of heat and flame protective garments according to EN469 / US-NFPA (fire-fighters), EN470 (welding), EN531 (industrial heat and flame) as well as for public authority garments. Coats Pyrostar is also certified according to EN ISO 11611, EN ISO 11612 and EN ISO 14116.

Coats Pyrostar can be used in a wide range of other applications, for example for electrical isolations, filters and sealings. Coats Pyrostar may also be used for flame retardant embroidery.

## WHY CHOOSE PYROSTAR?

- Coats Pyrostar delivers excellent strength, durability, seam appearance and superior sewing performance due to its special finishing.
- Sewing threads made from meta-aramid fibres do not melt, they are inherently flame retardant (carbonises at approx. 370°C), self-extinguishing and offer very good chemical resistance
- Meets Coats restricted substance list

## MAIN USES

- Flame retardant protective clothing
- Protective wear
- Military protective wear
- Protective footwear
- Technical applications
- Filtration
- Flame retardant embroidery

## PRODUCT RANGE

TEX	Ticket	Strength cN	Elongation % Min - Max	Needle Size Metric
40	70	1600	16 - 26	90 - 100
70	40	2750	17 - 27	100 - 120
135	20	5800	17 - 27	130 - 160



# Coats Pyrostar

## THERMAL PROPERTIES

Sewing threads made from meta-aramid fibres do not melt, they are inherently flame retardant (carbonises at approx. 370°C), self-extinguishing

## CHEMICAL PROPERTIES

Sewing threads made from meta-aramid fibres offer very good chemical resistance

## FASTNESS PROPERTIES

Wash fastness:	DIN EN ISO 105 C10D	Grade 4
Water fastness:	DIN EN ISO 105 E01	Grade 4
Perspiration fastness:	DIN EN ISO 105 E04	Grade 4
Rub fastness:	DIN EN ISO 105 X12	Grade 4
Hypochlorite fastness:	DIN EN ISO 105 N01	Grade 4



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

## 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 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 product audits in pre-production to the latest technological bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit [coats.com](http://coats.com)



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