

Coats® Protos™ Plus

Coats Protos Plus is a long staple spun para-aramid sewing thread which can be used for the sewing of heat and flame protection equipment like blast furnace wear, fire fighter wear, safety shoes as well as for protection wear for cut and ballistic protection, for example cut protective gloves or bullet proof vests. The para-aramid fibres used to make Coats Protos Plus are five times stronger than steel, and are self-extinguishing and flame retardant up to 425°C.

COATS
protos plus



LONG
STAPLE SPUN
PARA-ARAMID

WHY CHOOSE PROTOS PLUS?

- Outstanding strength for protective apparel providing optimum cut and puncture resistance
- High temperature resistance of up to 425°C, does not melt and is self-extinguishing

MAIN USES:

- Flame retardant protective clothing
- Flame retardant protective footwear
- Cut and ballistic protective wear
- Fire fighter wear
- Bullet proof vests
- Cut protection gloves
- Safety shoes
- Airbags
- Filtration
- Heat insulation



Coats Protos Plus

PRODUCT RANGE

Tex	Ticket	Dtex / Ply	Strength cN	Elongation % Min - Max
40	75	200 x 2	4900	3 - 5
60	50	200 x 3	8000	3 - 5
80	40	200 x 4	10600	3 - 5

THERMAL PROPERTIES

Decomposes at 425°C

CHEMICAL PROPERTIES

Acids:	Average resistance
Alkalis:	Good resistance
Organic solvents:	Excellent resistance
Bleaching:	Low resistance
UV	Low resistance

ADDITIONAL INFORMATION

Para-aramid is affected by UV-rays: The natural yellow shade turns light brown. The temperature resistance remains unaffected, but the strength of the fiber decreases. The loss of strength is approximately 50% after 40 - 60 weeks of UV exposure. Therefore para-aramid should not be exposed to UV-rays

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/protos-plus



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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