

COATS
helios p



100%
POLYTETRA-
FLUOROETHYLENE

Coats® Helios™ P

Coats Helios P is a high performance sewing thread, made from 100% polytetrafluoroethylene (PTFE), offering excellent chemical, heat and UV-resistance. Coats Helios P is suitable for use in the production of outdoor goods like awnings, boat covers, etc. which are exposed to the harsh environment (ultraviolet rays, rain, salt water etc.). Coats Helios P's unique properties also make it an excellent solution for demanding filtration applications.

Coats Helios P has been designed with strength in mind. It is the strongest PTFE sewing thread made to date meaning that finer ticket sizes can be used to reduce overall cost.

WHY CHOOSE HELIOS P?

- Totally inert against chemical attack (Guaranteed)
- Totally resistant to degradation by UV (Guaranteed)
- High tenacity
- Excellent sewing performance

MAIN USES

- Boat covers
- Awnings and sails
- Sunshades and canopies
- Garden furniture
- Outdoor goods
- Demanding filtration products

PRODUCT RANGE

Tex	Ticket	Dtex/ply	Strength cN	Elongation % Min - Max
135	20	450 x 3	4300	6 - 10
135	20	650 x 2	4300	3 - 10
210	13	740 x 3	6860	3 - 10
210	13	1100 x 2	6860	3 - 10
300	8	440 x 6	7840	3 - 10
300	8	1100 x 3	7840	6 - 10



Coats Helios P

THERMAL PROPERTIES

Coats Helios P has excellent resistance to acids, alkalis, oxidizing agents and solvents. It is also characterized by good resistance to heat and hydrolysis

Maximum permanent heat resistance 260°C

CHEMICAL PROPERTIES

Acids:	High resistance to acids
Alkalis:	High resistance to alkalis
Organic solvents:	Unaffected
Microorganisms (mildew, rot):	Unaffected
Moisture regain:	0%
Sunlight (degradation):	Unaffected

OTHER PRODUCTS IN THE HELIOS RANGE

To complement the Helios range, we also have a selection of specialist Helios threads. Each of these combines the superior properties of the Helios product with additional benefits specific to the end use.

Product Name	Description
Helios C	High performance sewing thread made from a steel core with 8 to 10 steel wires wrapped with a flame retardant cotton cover.
Helios K	With a steel core that can withstand temperatures up to 1000°C (or up to 300°C under stress), Helios K is an excellent choice for fire safety products.

Special use Helios products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.

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 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/helios-p



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