

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.

COATS
helios p



100%
POLYTETRA-
FLUOROETHYLENE

PRODUCT RANGE

Ticket	Tex	Ply	Denier	Yield	Strength	Elongation
18	166	560/3	1500	5600m per kilo	5,100 cN	<6 %
10	266	450/6	2400	3200m per kilo	8160 cN	<6 %

WHY CHOOSE HELIOS P?

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



MAIN USES

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

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

Coats Helios P thread's continuous use temperature is 250°C with a peak at 280°C. Its melting temperature is 327°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



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