Champion Thread Company®

Advancing the Common Thread

ChampShield®

Champion Thread's ChampShield thread is constructed from para-aramid synthetic fibers known for their exceptional strength, heat resistance, and low elongation (the amount a thread stretches before breaking). It is designed to meet heat, flame, chemical, and cut resistance requirements of many high-performance aerospace, military, and civilian products. Popular applications include protective clothing and gear, bulletproof armor, high-strength composites, bedding and furniture products, gloves, helmets, tires, and other safety and industrial products.

*ChampShield is available with 100% Dupont® Kevlar® or other fiber options. Ask for details.

ChampShield Features/Benefits

- *Excellent resistance to short-term heat/flame exposure*
- *Superior strength compared to meta-aramid fibers (e.g., Nomex®)*
- *High strength retention after heat application*
- *Excellent cut resistance properties*
- *Excellent resistance to oils, acids, and chemicals*

ChampShield Specifications

Tex Size	Single End Break (lb)	Metric Needle Size
T-40	6.3	90/14
T-60	10.3	100/16
T-80	14.0	110/18
T-90	18.1	125/20
T-105	21.8	130/21

Since 1979, Champion Thread Company® has developed and produced premium sewing threads, engineered yarns, and accessories for textile and sewn products manufacturers. With decades of consistent growth, CTC® remains dedicated to delivering the highest quality at competitive prices. This promise is supported by the technical and industry expertise to solve the most demanding product, production, and supply chain challenges. Family-owned and operated, CTC delivers a level of quality, service, and partnership that larger firms have long forgotten and small suppliers cannot sustain.

165 Blue Devil Dr, Gastonia, NC 28056 • Phone: 704-867-6611 • Fax 704-868-3885

Website: championthread.com • Email: info@championthread.com

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