



FLAME-OUT™

FLAME-RESISTANT, 100% PARA-ARAMID, SPUN SEWING THREADS

Primarily utilized in mattress tape-edging, protective apparel, A&E's Flame-Out™ flame-resistant, para-aramid, staple spun sewing threads are specially-designed to provide short-term heat resistance. Available in Flame-Out™ SP and Flame-Out™ STW, these sewing threads were created as a compliment to the flame resistant barrier system. These non-melting thread products display excellent seam integrity and cut protection, maintaining superior strength over meta-aramids and other FR products. Color options are available, providing for more mattress design versatility.

Flame-Out™ sewing threads have been reviewed under current guidelines and approved by UL standards for use in mattress applications, assisting in meeting the performance requirements under Federal Standard 16 CFR, Part 1633. Contact your A&E sales representative for more information on Flame-Out™ SP and Flame-Out™ STW.



BENEFITS

EXCELLENT RESISTANCE TO SHORT TERM HEAT EXPOSURE — Flame-Out™ threads do not melt and are engineered to withstand temperatures up to 840°F (449°C), delivering superior short-term heat resistance.

SUPERIOR STRENGTH — Engineered to provide excellent overall strength and superior ply security, delivering dependable quality para-aramid sewing threads, resistant to most organic solvents.

PERFORMANCE LUBRICATION — Manufactured with the correct amount of lube with little to no finish build up, ensuring an ideal sewing performance and maximizing efficiency.

HIGHLIGHTED USES

- Mattress Tape Edging and Closing
- Protective Apparel
- Specialty Industrial

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PRODUCT INFORMATION*

Application	Size		Strength		Recommended Needle Size
	Tex	Metric	lbs.	kgs.	
Medium Weight	45**	60	7.5	3.41	110/18
	50***	60	10.56	4.8	110/18
	60	50	10.14	4.61	110/18

*Physical characteristics provided are for comparative purposes only, final determination of suitability is the sole responsibility of the user. All physical data shown is based on current averages and should not be used as minimum requirements. **Denotes additional Flame-Out™ STW only size and product details. ***Denotes additional Flame-Out™ SP only size and product details.



HIGHLIGHTED MATTRESS SEWING THREADS

- **MAGIC® HP** — Air-Entangled, High Performance Polyester
- **WILDCAT PLUS®** — High Performance, Textured Polyester
- **ANEFIL POLY® STX** — Twisted Multifilament, Non-stretched, Polyester
- **FLAME-OUT™** — Flame-Resistant, Spun, 100% Para-aramid
- **EXCELL®** — 100% Staple Spun Polyester
- **ANEFIL NYLON® BT** — Twisted Multifilament Nylon
- **THOMPSON™ TWINE** — Braided, Nylon Tufting Twine
- **HIGH PERFORMANCE BOBBINS** — High Yield, Pre-wound Bobbins



ECO-DRIVEN®

A&E's Eco-Driven mark is a symbol of A&E's commitment to sustainability and its continued investment in innovative technologies that help reduce the environmental footprint of A&E operations globally.

Together with parent company, Elevate Textiles, all Elevate brands support 2025 commitments on responsibly sourced fibers, reduced water consumption, and reduced greenhouse gas targets.

WHY CHOOSE A&E?

QUALITY THREAD PRODUCTS SINCE 1891 — A&E is the world's foremost manufacturer and distributor of premium quality industrial and consumer sewing thread, embroidery thread and technical textiles. A&E's dedication to providing its customers with the finest products and services, at the highest quality, delivered globally and steadfast commitment to superior quality and customer service make A&E the preferred thread supplier. Learn more on A&E's corporate social responsibility and environmental sustainability initiatives, comprehensive product offerings, and global locations at WWW.AMEFIRD.COM.

A&E operates as a distinguished brand of Elevate Textiles. Elevate's brands include: American & Efird, Burlington, Cone Denim, Gütermann and Safety Components. More information is available at WWW.ELEVATETEXTILES.COM.

THE DAWN OF A NEW AGE
FR COLOR



- INDUSTRY-TRUSTED
- CUSTOM COLORS

Explore your thread color possibilities with



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