



# PERMA CORE®

POLYESTER WRAPPED, POLYESTER CORE SEWING THREAD



DELIVERING **STRENGTH** AND **VERSATILITY**  
IN PERFORMANCE SEAMS.

DENIM | WORKWEAR | GENERAL APPAREL | FURNITURE | MATTRESS

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Heavily utilized as an all-around industrial thread in many industries, Perma Core® maximizes seam quality and minimizes sewing problems. Manufactured with a continuous filament polyester core and a polyester staple wrap, this thread provides great strength and superb abrasion resistance versus staple spun products.

Perma Core® is available in a silicone free finish to help negate the potential for lube migration into sensitive fabrics. Ask your A&E representative for more details.

## HIGH TENSILE STRENGTH AND ABRASION RESISTANCE

Engineered for durability, this thread delivers great seam integrity, while providing good seam strength and abrasion resistance.

## EXCELLENT SEWING PERFORMANCE

This product provides for an excellent sewing performance on manual and automatic multi-directional sewing machines.

## VERY GOOD COLORFASTNESS

Displays very good colorfastness and laundering durability performance with good chemical resistance, including chlorine bleach.

**WORKWEAR • DENIM • MENSWEAR • LADIES WEAR • ACTIVEWEAR • CASUAL WEAR  
• INTIMATE APPAREL • SWIMWEAR • FURNITURE • MATTRESS**



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## PRODUCT INFORMATION\*

Application	Size		Strength		Elongation %		Recommended Needle Size
	Tex	Ticket	lbs.	cN	Min.	Max.	
Light Weight	18	160	2.04	907	18	24	65/9
	24	120	2.77	1,232	18	24	75/11
	30	90	3.6	1,601	18	24	80/12
Medium Weight	40	75	4.55	2,024	18	24	90/14
	50	60	6.69	2,976	20	25	100/16
	60	50	7.4	3,292	22	28	110/18
	80	36	9.21	4,097	22	28	120/19
Heavy Weight	105	27	10.8	4,804	22	28	125/20
	120	25	13.68	6,085	22	30	130/21
	135	20	15.35	6,828	22	30	140/22
	150	18	17.92	7,971	22	30	160/23
	180	15	21.74	9,670	22	30	180/24
Extra Heavy Weight	210	13	26.7	11,876	22	30	180/24
	240	12	25.33	11,009	22	30	200/25
	300	8	28.13	12,512	22	30	230/26

\*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.

## HIGHLIGHTED SEWING THREAD PRODUCTS

- Perma Core® ECO100 — 100% Recycled, Polyester Wrapped, Polyester Core
- Perma Core® Eco — Polyester Wrapped, Recycled Polyester Core
- Perma Core® Extreme — Color Quality Enhanced, Polyester Wrapped, Polyester Core

## ECO-DRIVEN®

A&E's Eco-Driven mark is a symbol of our commitment to sustainability and continued investment in innovative technologies that help reduce our global operations environmental footprint. Under Elevate Textiles, A&E and all supporting brands contribute to unified commitments of 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. We provide our customers with the finest products and services, at the highest quality, delivered globally. Our 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](http://WWW.AMEFIRD.COM).



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