

# MEDICAL THREAD PRODUCT GUIDE 2020



**CRITICAL PPE SEWING THREADS  
WHEN AND WHERE YOU  
NEED THEM.**

**WE ARE HERE FOR YOU.**

# PERMA CORE®

## POLY-WRAPPED, POLY-CORE SPUN CRITICAL SEWING THREAD

For well over a century, A&E Gütermann has supported the global health care industry with the world's finest, trusted sewing threads and premium specialty yarns. A&E's Perma Core® is a premium core spun sewing thread manufactured with a continuous filament polyester core and polyester staple wrap.

An icon in the textiles industry, Perma Core® maximizes seam quality while minimizing sewing problems. It's core spun construction delivers higher seam strength and sewing performance allowing for the use of smaller thread sizes. This sewing thread provides excellent durability through multiple launderings.

Also available with REPEL for PPE applications requiring a sewing thread with non-wicking characteristics.

### CRITICAL PPE SEWING THREAD



Ask Your A&E Sales Representative on Available Product with this Certification.



### BENEFITS

**HIGHER TENSILE STRENGTH AND ABRASION RESISTANCE** — Delivers great seam integrity, while providing good seam strength and abrasion resistance.

**EXCELLENT SEWABILITY** — Engineered to provide an excellent sewing performance on manual and automatic multi-directional sewing machines.

**VERY GOOD COLORFASTNESS** — Durable in laundering, this thread provides very good colorfastness with good chemical resistance.

### HIGHLIGHTED USES

- Medical / PPE
- Workwear
- Denim
- Menswear
- Ladies Wear
- Activewear
- Intimate Apparel
- Casual Wear
- Swimwear
- Furniture
- Mattress

### PRODUCT INFORMATION\*

Application	Size		Strength		Recommended Needle Size
	Tex	Metric	lbs.	kgs.	
Light Weight	18	160	2.04	.93	65/9
	24	120	2.77	1.26	75/11
	30	90	3.6	1.64	80/12
Medium Weight	40	75	4.55	2.07	90/14
	50	60	6.69	3.04	100/16
	60	50	7.4	3.36	110/18
	80	36	9.21	4.19	120/19
Heavy Weight	105	27	10.8	4.91	125/20
	120	25	13.68	6.22	130/21
	135	20	15.35	6.98	140/22
	150	18	17.92	8.15	160/23
	180	15	21.74	9.88	180/24
Extra Heavy Weight	210	13	26.7	12.14	180/24
	240	12	25.33	11.51	200/25
	300	8	28.13	12.79	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.

### RECOMMENDED THREAD PRODUCTS AND SIZES PER HIGHLIGHTED APPLICATION

Application	Product Recommended	Size		Recommended Needle Size
		Tex	Metric	
<b>Surgical Disposable Products</b> includes Gowns, Coveralls, Caps, Footwear	Wildcat Plus®	18   24	160   120	65/9   75/11
<b>Surgical Masks</b>	Perma Core®	24	120	75/11
	Wildcat Plus®	18	160	65/9
<b>Scrubs</b>	Perma Core®	24   30   40	120   90   75	75/11   80/12   90/14
	Wildcat Plus®	18	160	65/9
<b>Hospital Sheets</b>	Perma Core®	24   30	120   90	75/11   80/12
<b>Hospital Towels</b>	Perma Core®	24	120	75/11
<b>Medical Gowns (Reusable)</b>	Perma Core®	24   30	120   90	75/11   80/12
	Wildcat Plus®	24	120	75/11
<b>Clean Room Garments (No Silicone Added)</b>	Anefil Poly®	35   45	80   60	80/12   100/16
<b>Protective Coverall Suits (Reusable)</b>	Perma Core®	24   30   40	120   90   75	75/11   80/12   90/14
	Wildcat Plus®	24	120	75/11

## 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](http://WWW.AMEFIRD.COM).

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

# WILDCAT PLUS®

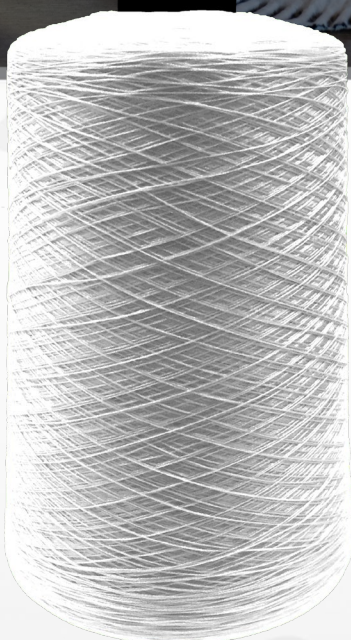
## HIGH PERFORMANCE, TEXTURED POLYESTER CRITICAL SEWING THREAD

For well over a century, A&E Gütermann has supported the global health care industry with the world's finest, trusted sewing threads and premium specialty yarns. A&E's Wildcat Plus® is a high-performance textured polyester sewing thread, ideal for seaming and serging knit and woven fabrics.

Wildcat Plus® provides superior seam elasticity and seam strength, delivering across the board performance and longer lasting seams. This versatile, critical PPE thread is used in the sewing of a variety of reusable and disposable medical products.

Also available with REPEL for PPE applications requiring a sewing thread with non-wicking characteristics.

### CRITICAL PPE SEWING THREAD



### BENEFITS

**EXCELLENT SEAM ELASTICITY AND STRENGTH** — Provides superior elasticity and seam strength to deliver all around performance and longer lasting seams.

**EXCELLENT SOFTNESS** — Engineered to be incredibly soft making this product ideal for next-to-skin applications.

**GOOD COLORFASTNESS AND CHEMICAL RESISTANCE** — Partially translucent to blend with many different shades of color for good colorfastness with good overall chemical resistance.

### HIGHLIGHTED USES

- Medical / PPE
- Automotive
- Footwear
- Luggage
- Handbags
- Filtration
- Geotextiles
- Outdoor Products
- Covers
- Web Slings
- Tie Downs
- Specialty Industrial



### PRODUCT INFORMATION\*

Application	Size		Strength		Recommended Needle Size
	Tex	Metric	lbs.	kgs.	
Light Weight	18	160	1.6	.73	65/9
	24	120	2.02	.92	75/11
Medium Weight	35	80	3.28	1.49	80/12
	50	60	4.91	2.23	100/16
	70	40	5.88	2.67	110/18
Heavy Weight	105	27	8.92	4.05	120/19

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### RECOMMENDED THREAD PRODUCTS AND SIZES PER HIGHLIGHTED APPLICATION

Application	Product Recommended	Size		Recommended Needle Size
		Tex	Metric	
<b>Surgical Disposable Products</b> includes Gowns, Coveralls, Caps, Footwear	Wildcat Plus®	18   24	160   120	65/9   75/11
<b>Surgical Masks</b>	Perma Core®	24	120	75/11
	Wildcat Plus®	18	160	65/9
<b>Scrubs</b>	Perma Core®	24   30   40	120   90   75	75/11   80/12   90/14
	Wildcat Plus®	18	160	65/9
<b>Hospital Sheets</b>	Perma Core®	24   30	120   90	75/11   80/12
<b>Hospital Towels</b>	Perma Core®	24	120	75/11
<b>Medical Gowns (Reusable)</b>	Perma Core®	24   30	120   90	75/11   80/12
	Wildcat Plus®	24	120	75/11
<b>Clean Room Garments (No Silicone Added)</b>	Anefil Poly®	35   45	80   60	80/12   100/16
<b>Protective Coverall Suits (Reusable)</b>	Perma Core®	24   30   40	120   90   75	75/11   80/12   90/14
	Wildcat Plus®	24	120	75/11

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# ANEFIL POLY®

## TWISTED MULTIFILAMENT, POLYESTER CRITICAL SEWING THREAD

For well over a century, A&E Gütermann has supported the global health care industry with the world's finest, trusted sewing threads and premium specialty yarns. A&E's Anefil Poly® is a twisted multifilament polyester sewing thread ideal for the sewing of reusable, clean room garments and other PPE products.

In addition to good overall performance and excellent seam strength, the twisted multifilament construction of this sewing thread provides for superior sewability.

Available enhancements for this product include: Bonded, SST (Stretched), STX (Non-Stretched), SBT (Highly-Stretched), and water-resistant REPEL.

### CRITICAL PPE SEWING THREAD



Ask Your A&E Sales Representative on Available Product with this Certification.



### BENEFITS

**UV RESISTANCE** — Delivers better resistance to UV exposure than nylon or polyamide sewing threads.

**SUPERIOR SEWABILITY** — Engineered to provide good overall seam strength, good abrasion resistance, and superior performance in sewing. When bonded, this thread boasts excellent ply security delivering a consistent diameter when bonded with low moisture regain.

**VERY GOOD COLORFASTNESS** — Available in a wide range of thread color, this durable sewing thread has very good colorfastness with good overall chemical resistance.

### HIGHLIGHTED USES

- Medical / PPE
- Automotive
- Footwear
- Luggage
- Handbags
- Filtration
- Geotextiles
- Outdoor Products
- Covers
- Web Slings
- Tie Downs
- Specialty Industrial

### PRODUCT INFORMATION\*

Application	Size		Strength		Recommended Needle Size
	Tex	Metric	lbs.	kgs.	
Light Weight	16	180	2.11	.96	65/9
	21	140	3.13	1.42	70/10
	30	80	3.7	1.68	80/12
Medium Weight	35	80	5.11	2.32	80/12
	45	60	7.09	3.22	100/16
	50	50	6.02	2.74	110/18
	70	40	10.13	4.6	110/18
Heavy Weight	90	30	13.48	6.13	125/20
	135	20	20.64	9.38	140/22
Extra Heavy Weight	180	17	24.36	11.07	180/24
	210	15	30.72	13.96	180/24
	270	10	40.12	18.24	200/25
	350	8	51.53	23.42	230/26
	400	7	64.73	29.42	250/27
	450	6	70	31.82	250/27
	600	5	84.15	38.25	280/28
	700	4	98.47	44.76	300/29

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### RECOMMENDED THREAD PRODUCTS AND SIZES PER HIGHLIGHTED APPLICATION

Application	Product Recommended	Size		Recommended Needle Size
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<b>Scrubs</b>	Perma Core®	24   30   40	120   90   75	75/11   80/12   90/14
	Wildcat Plus®	18	160	65/9
<b>Hospital Sheets</b>	Perma Core®	24   30	120   90	75/11   80/12
<b>Hospital Towels</b>	Perma Core®	24	120	75/11
<b>Medical Gowns (Reusable)</b>	Perma Core®	24   30	120   90	75/11   80/12
	Wildcat Plus®	24	120	75/11
<b>Clean Room Garments (No Silicone Added)</b>	Anefil Poly®	35   45	80   60	80/12   100/16
<b>Protective Coverall Suits (Reusable)</b>	Perma Core®	24   30   40	120   90   75	75/11   80/12   90/14
	Wildcat Plus®	24	120	75/11

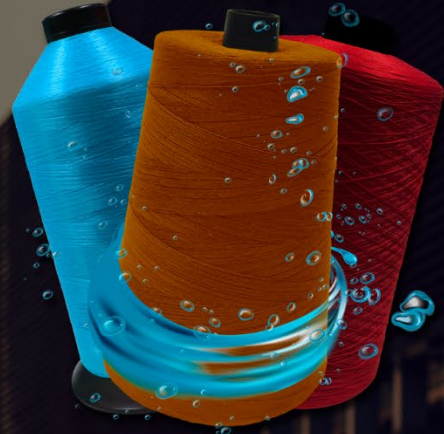
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# REPEL

WATER REPELLENCY FOR  
EVERY SEWING THREAD



- ENHANCED ABILITY TO REPEL WATER AND OTHER LIQUIDS
- AVAILABLE IN PERMA CORE®, D-CORE®, PERMA SPUN®, WILDCAT PLUS®, AND ALL OTHER A&E CORE, SPUN, AND TEXTURED SEWING THREADS
- DOES NOT AFFECT COLOR
- A&E PFCZERO™ APPROVED PRODUCT, CONTAINING NO PERFLUOROCARBONS
- 3RD PARTY TESTED ON SEAM  
MEETS RAIN TEST METHOD: ISO 22958-2005  
OR AATCC 61



PFCZERO™



# MEDICAL SEWING THREAD PRODUCT GUIDE 2020

*A&E THREAD GUIDE FOCUSING ON CRITICAL SEWING THREADS FOR USE IN THE SEWING OF PPE-RELATED PRODUCTS AND THE MEDICAL INDUSTRY*

A distinguished brand of Elevate Textiles, A&E is the world's foremost manufacturer and distributor of premium quality industrial and consumer sewing thread, embroidery thread and specialty yarns.

A&E's global presence extends from Asia to Europe to the Americas. With products manufactured in 22 countries, distributed in 50 and sold in over 100 countries, you can depend on A&E to deliver exact color, superior quality, and the most innovative products on-time, no matter where in the world you are located.

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