

Perma Core®



POLYESTER  
WRAPPED  
POLY CORE

# Perma Core®

*A&E's global poly-wrapped poly-core thread*



- Excessive Seam Pucker?
- Excessive Open Seams?
- Excessive Restitched Seams?
- Too Many Thread Breaks?
- Too Many Skipped Stitches?

*Perma Core® is your answer!*

World of A&E

## Features & Benefits:

- A high-tenacity low variation poly wrapped poly core construction
  - Allows the use of smaller thread sizes to minimize puckering or needle cutting
  - 10 – 15% stronger than cotton wrapped poly core & 30 – 40% stronger than spun polyester threads the same size.
  - Superior color fastness and chemical resistance
  - Superior sewability on manual and automatic sewing machines
  - Greater seam integrity
- Higher resistance to stretching under normal sewing tensions
  - Superior loop formation
  - Fewer skipped stitches and thread breaks
  - Fewer repairs and potential charge-backs & claims
  - Reduced seam puckering related to tension puckering
- High performance thread lubricant
  - Superior needle heat resistance
  - Superior frictional characteristics for a more consistent stitch appearance.

*“There is a Difference”*

Perma Core®



POLYESTER  
WRAPPED  
POLY CORE

# Perma Core®

*A&E's global poly-wrapped poly-core thread*

Application	Tex Size	Metric Size	Yarn Size (lbs)	Avg. Strength (grams)	Avg. Strength (metirc)	Minimum Ndl. Size
Extra Light Wt.	18	160	59/2	1.9	875	65
	24	120	46/2	2.6	1184	70
	30	80	35/2	3.5	1597	80
Medium Wt.	40	75	29/2	4.5	2041	90
	50	60	20/2	6.6	3007	100
	60	50	18/2	7.6	3447	110
Heavy Wt.	80	36	15/2	9.0	4078	120
	105	27	12/2	10.7	4872	125
	120	25	15/3	13.6	6178	130
Ex. Heavy	135	20	12/3	16.2	7326	140
	150	18	15/4	18.3	8305	160
	180	14	12/4	21.7	9861	180
	240	12	10/4	23.9	10837	200
	300	8	7/4	34.3	15577	230

\* All strengths are for comparative purposes and should not be used as minimum requirements.

A&E Brand	<i>D-Core</i> ®	<i>Perma Core</i> ®	<i>Perma Spun</i> ®	<i>Wildcat Plus</i> ®
Sewability	Excellent	<b>Excellent</b>	Very Good	Good*
Seam Durability	Very Good	<b>Excellent</b>	Very Good	Very Good
Color Fastness	Good	<b>Very Good</b>	Very Good	Very Good
Chemical Resistance	Good	<b>Very Good</b>	Very Good	Very Good
Softness	Good	<b>Good</b>	Good	Very Good
Needle Heat Resistance	Very Good	<b>Good</b>	Good	Good
Color Availability	1024	<b>1024</b>	1024	1024

### Other *Perma Core*® Brands:

*Perma Core*® *Ultimate* – Dress Shirts and Tailored Clothing

*Perma Core*® *NWT* – Denim garments that will be subject to harsh finishing processes

*Perma Kool*® - Children's sleepwear with FR finish

For information or samples, contact your local A&E Representative  
 American & Efird Inc  
 22 American Street, Mt. Holly, North Carolina 28120  
 (800) 438-5868 / Fax: 704-827-0974  
 Website: [www.amefird.com](http://www.amefird.com)

World of A&E

[www.amefird.com](http://www.amefird.com)

