

Perma Core®



POLYESTER
WRAPPED
POLY CORE

Perma Core®

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



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”

www.amefird.com



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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
Light Wt.	30	80	35/2	3.5	1597	80
	40	75	29/2	4.5	2041	90
	50	60	20/2	6.6	3007	100
Medium Wt.	60	50	18/2	7.6	3447	110
	80	36	15/2	9.0	4078	120
	105	27	12/2	10.7	4872	125
	120	25	15/3	13.6	6178	130
Heavy Wt.	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	Excellent	Very Good	Good*
Seam Durability	Very Good	Excellent	Very Good	Very Good
Color Fastness	Good	Very Good	Very Good	Very Good
Chemical Resistance	Good	Very Good	Very Good	Very Good
Softness	Good	Good	Good	Very Good
Needle Heat Resistance	Very Good	Good	Good	Good
Color Availability	1024	1024	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
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