

Perma Spun®



SPUN  
POLYESTER

World of A&E

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# Perma Spun®

*A&E's global Spun Polyester thread*



## Features & Benefits:

- Made with First Quality high-tenacity low variation staple polyester
  - Allows the use of smaller thread sizes to minimize seam pucker or needle cutting
  - 40% stronger than 100% cotton threads of the same size.
  - Superior color fastness and chemical resistance
  - Superior sewability & Greater seam strength
- Ring-spun singles yarn and 2 for 1 twisted ply thread construction
  - Greater strength than open-end or air-jet spun yarn
  - Fewer yarn imperfections that can lead to sewing interruptions
- Produced with Air Spice technology to minimize major imperfections
  - Fewer thread breaks resulting in fewer restitched seams.
  - Greater production output.
- High performance thread lubricant
  - Superior needle heat resistance
  - Superior frictional characteristics for a more consistent stitch appearance.
- Less expensive than corespun threads

*“There is a Difference”*

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Application	Tex Size	Metric Size	Yarn Size	Avg. Strength (lbs)	Avg. Strength (grams)	Minimum Ndl. Size (metric)
Extra Light Wt.	16	180	70/2	1.2	558	65
	18	160	60/2	1.4	635	65
Light Wt.	21	140	80/3	1.8	816	70
	21	140	53/2	1.6	744	70
	27	120	60/3	2.2	998	75
	27	120	40/2	2.1	943	75
Medium Wt.	30	80	53/3	2.3	1052	80
	40	75	29/2	3.2	1461	90
	45	60	40/3	3.6	1647	90
	60	50	19/2	4.7	2118	110
Heavy Wt.	90	30	19/3	7.6	3443	120
	105	27	16/3	9.7	4404	125
	120	25	20/4	10.6	4785	130
Ex. Heavy	135	20	12/3	11.1	5035	140
	210	14	8/3	19.4	8800	180
	240	12	12/5	19.8	8981	200
	270	8	20/9	NA		

\* 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	<b>Very Good</b>	Good*
Seam Durability	Very Good	Excellent	<b>Very Good</b>	Very Good
Color Fastness	Good	Very Good	<b>Very Good</b>	Very Good
Chemical Resistance	Good	Very Good	<b>Very Good</b>	Very Good
Softness	Good	Good	<b>Good</b>	Very Good
Needle Heat Resistance	Very Good	Good	<b>Good</b>	Good
Color Availability	1024	1024	<b>1024</b>	1024

### Other *Spun Polyester* Brands:

*Excell*® – NAFTA and CAFTA approved spun polyester thread

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

For information or samples, contact your local A&E Representative  
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