

Excell®



SPUN  
POLYESTER

# Excell®

*A&E's global Spun Polyester thread*



World of A&E

## Features & Benefits:

- Made with 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”*



# Perma Spun®

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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	D-Core®	Perma Core®	Perma Spun®	Wildcat Plus®
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 *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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