

A-A-50199A
Type II



POLYESTER
WRAPPED
POLY CORE

World of A&E

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A-A-50199A

*A&E's Polyester Wrapped Poly Core threads that meet
US Government A-A-50199A Type II specifications and
are Berry Amendment Compliant*

Common Applications:

- Uniforms
- Coveralls
- Shirts
- Trousers
- Jackets
- Hats



Features & Benefits:

- A high-tenacity low variation polyester 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”

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A-A-50199A **Type II** Physical Requirement Characteristics

Tex Size (Range)	Ticket Size	Ply	Yield Yards per lb. Nominal	Strength lbs. Min.	Elongation % Max
21 – 24	120	2	20,500	1.8	30
25 – 30	100	2	16,750	2.4	30
31 – 35	70	2	13,750	3.0	30
36 – 45	50	2	11,250	3.7	30
46 – 59	40	2 or 3	9,000	4.7	30
60 – 69	30	2 or 3	7,250	6.1	32
70 – 105	24	2 to 4	5,550	7.2	32
106 – 150	16	2 to 4	3,850	10.8	32
151- 210	12	2 to 4	2,600	14.1	32

Government Spec:	A-A-50199A Type I	A-A-50199A Type II	MIL-T-43624B	A-A-52095B
Construction	Cotton/Core	Poly Core	Spun Poly	Text. Poly
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

For information, contact your local A&E Representative or Sherry Smith our Government Sales Specialist
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