



Innovate. Create. Deliver.

Perma Kool™, Spun Kool®, Tex Kool®

Sewing Threads Lubricated with a Flame Retardant Finish



Primarily for use in Children's Sleepwear, A&E's **Kool™** product line features three different premium sewing threads, each wound with a high performance flame retardant thread lubricant to assist seams to pass open flame testing.

- 1. Perma Kool™** is a premium core spun sewing thread manufactured with a continuous filament polyester core, polyester staple wrap, and wound with an FR finish. The core spun construction delivers a thread with a higher strength and sewing performance over staple spun products.
- 2. Spun Kool®** is a premium 100% polyester staple spun sewing thread twisted and wound with an FR finish. Ideal for multiple applications where traditional staple spun polyester is required, this thread provides excellent seam strength and sewability.
- 3. Tex Kool®** is a high performance textured polyester sewing thread wound with an FR finish. Delivering across the board performance, this thread excels where seaming and serging knit and woven fabrics is required providing for superior seam elasticity and strength for long lasting seams.



FEATURES

- Flame Retardant Finish**
A&E's **Kool™** products feature a premium, high performance FR thread lubricant to help children's sleepwear pass open flame testing (most commonly 16 CFR 1610 and 16 CFR 1611).
- Excellent Sewability**
A&E's **Kool™** product line features three different products for maximum versatility. **Kool™** is offered in **Perma Kool™**, **Spun Kool®**, and **Tex Kool®** to give you more choice and assist in maximizing your application's potential.
- Very Good Colorfastness**
Each **Kool™** thread product provides for very good colorfastness with good chemical resistance.

Applications include:



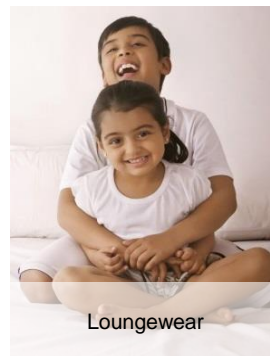
Infantwear



Pajamas



Robes



Loungewear



Innovate. Create. Deliver.

Perma Kool™, Spun Kool®, Tex Kool®

Sewing Threads Lubricated with a Flame Retardant Finish



Kool™ Thread Products Provide for Very Good Colorfastness



Flame Retardant Thread Finish

Perma Kool™ Sizes and Product Details*

Application	Size		Strength		Recommended Needle Size
	Tex	Metric	lbs.	kgs.	
Light Weight	18	160	1.94	.88	70/10
	24	120	2.8	1.27	75/11
Medium Weight	40	75	4.45	2.07	90/14
	50	60	6.69	3.04	100/16
	60	50	7.1	3.23	110/18

Spun Kool® Sizes and Product Details*

Light Weight	21	140	1.64	.74	70/10
	27	100	2.08	.94	75/11
Medium Weight	40	75	3.22	1.46	90/14
	60	50	4.67	2.12	110/18

Tex Kool® Sizes and Product Details*

Light Weight	18	160	1.62	.74	70/10
	24	120	2.02	.92	75/11

*Physical characteristics provided are for comparative purposes only, final determination of suitability is the sole responsibility of the user. All physical data shown is based on current averages and should not be used as minimum requirements.



A&E maintains a global commitment to sustainability at all of its worldwide operations, driven through its Ten Threads of Sustainability. For more information on A&E's Eco-Driven® initiatives, please visit www.amefird.com/sustainability.



Innovate. Create. Deliver.

A&E is the world's foremost manufacturer and distributor of premium quality industrial and consumer sewing thread, embroidery thread and technical textiles. A&E's dedication to providing its customers with the finest products and services, at the highest quality, delivered globally and steadfast commitment to superior quality and customer service make A&E the preferred thread supplier. Learn more on A&E's corporate social responsibility and environmental sustainability initiatives, comprehensive product offerings, and global locations at www.amefird.com.

Applications include:



Children's Sleepwear

Technical Product Information

