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Thread Recommendation By End-Use Market & Garment Type

"No thread is perfect for all sewing applications, however, there is a perfect thread for a specific application."

Thread selection is generally based on one or more of the following factors:

- **Sewability** (how well the thread performs in the sewing machine)
- **Seam Performance** (seam strength... seam durability)
- **Seam Appearance** (color, color fastness, stitch appearance)
- **Availability** (is the product available to meet my needs)
- **Cost** (cost includes both the price of the thread and the resulting manufacturing costs)

The attached **Thread Selection Guides** are intended to help you select the most common thread types and sizes used for a particular application. A&E Sales Representatives and Technical Service Team are also available to answer specific questions about thread application and share with you their knowledge and experience.

Generally these guides apply to Men's, Women's, Kid's, & Baby apparel unless there are special considerations that would warrant a special thread.

Below are the major End-Use Markets that are included in the attached **Thread Selection Guides** and the most common thread recommendations.

ACTIVEWEAR/ CASUALWEAR
CAP & HATS
DENIM / JEANSWEAR
INTIMATES
INFANTWEAR/ BABY

KIDSWEAR
MENSWEAR
TAILORED CLOTHING
OUTERWEAR
SWIMWEAR

UNDERWEAR
WOMENSWEAR
WORKWEAR & UNIFORMS
PROTECTIVE CLOTHING

If you need additional assistance, please contact your local A&E sales or GRS representative and they will be glad to help you determine the best thread for your sewing and seaming applications.

<u>ACTIVEWEAR</u>	FABRIC WEIGHT / DETAILS	<u>BEST</u> Should be used whenever Special Requirements exist and when Quality Seaming is the Primary Consideration.	<u>BETTER</u> Should be used for Quality Seaming but where thread Price is also a Major Consideration.	<u>GOOD</u> Should be used where Thread Price is the Primary Consideration
Stretch Knit Tops, Pants, Shorts, Leggings	Light to Medium Weight Stretch Knits (Lycra™, Spandex™) 14 to 18 spi recommended	<u>Lockstitch, Zig-Zag:</u> T-24 Perma Core® <u>Overedge & Coverstitch Needles:</u> T-24 Perma Core® <u>Overedge & Coverstitch:</u> T-24, T-35 Wildcat Plus® or T-24, T-35 Best Stretch®	<u>Lockstitch, Zig-Zag:</u> T-24 Perma Core® <u>Overedge & Coverstitch Needles:</u> T-24 Perma Core® <u>Overedge & Coverstitch:</u> T-24, T-35 Wildcat Plus® or T-24, T-35 Best Stretch®	<u>Lockstitch, Zig-Zag:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch Needles:</u> T-21 or T-27 Spun Poly <u>Overedge & Coverstitch:</u> T-18, T-35 Wildcat Plus® or T-16, T-24 Best Stretch®
Jerseys, Athletic Uniforms, Pants	Medium to Heavy Weight Stretch Knits (Lycra™, Spandex™) 14 to 18 spi recommended	<u>Lockstitch, Zig-Zag:</u> T-60, T-40 Perma Core® <u>Overedge & Coverstitch Needles:</u> T-40 Perma Core® <u>Overedge & Coverstitch:</u> T-35, T-50 Wildcat Plus®		<u>Lockstitch, Zig-Zag, Needles:</u> T-60, T-90 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch Needles:</u> T-40, T-45, T-60 Spun Poly <u>Overedge & Coverstitch:</u> T-35, T-50 Wildcat Plus®
Cami, Tanks, Tees, Tops	Light Weight Knits 10 to 12 spi recommended	<u>Overedge & Coverstitch Needles & Lockstitch:</u> T-24 Perma Core® <u>Loopers, Cover:</u> T-24 Wildcat Plus®		<u>Overedge & Coverstitch Needles & Lockstitch:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Loopers, Cover:</u> T-18, T-24 Wildcat Plus®
Organic Tees, Tops	Light Weight Knits 10 to 12 spi recommended	<u>Overedge & Coverstitch Needles & Lockstitch:</u> T-30 Anecot® Organic		
Tees, Tops – Recyclable Polyester	Light Weight Knits 10 to 12 spi recommended	<u>Overedge & Coverstitch Needles & Lockstitch:</u> T-18 Wildcat® Reprave®		
Knit Hoodie, Active Jacket, Fitness / Sports Top	Medium Weight Knits 10 to 12 spi recommended	<u>Overedge & Coverstitch Needles & Lockstitch:</u> T-24 Perma Core® <u>Loopers, Cover:</u> T-24 Perma Core®	<u>Overedge & Coverstitch Needles & Lockstitch:</u> T-24 Perma Core <u>Loopers, Cover:</u> T-18, T-24 Wildcat Plus®	<u>Overedge & Coverstitch Needles & Lockstitch:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Loopers, Cover:</u> T-18, T-24 Wildcat Plus®
Fleece Hoodie, Top, Pants, Vest	Medium to Heavy Weight Knits 10 to 12 spi recommended	<u>Overedge & Coverstitch Needles & Lockstitch:</u> T-40 Perma Core® <u>Loopers, Cover:</u> T-35, T-50 Wildcat Plus®		<u>Overedge & Coverstitch Needles & Lockstitch:</u> T-40 or T-45 Spun Poly (Perma Spun® or Excell®) <u>Loopers, Cover:</u> T-35, T-50 Wildcat Plus®
Athletic Jacket & Pants	Light Weight – Micro-fiber Woven Fabric 10 to 12 spi recommended	Topstitching & Mainseams: T-18 or T-24 Perma Core® Ultimate Serging & Loopers: T-18 or T-24 Perma Core	Topstitching & Mainseams: T-18 or T-24 Perma Core® Ultimate Serging & Loopers: T-18 or T-21 Spun Poly (Perma Spun® or Excell®)	Topstitching & Mainseams: T-27 Spun Poly (Perma Spun® or Excell®) Serging & Loopers: T-18 or T-21 Spun Poly (Perma Spun® or Excell®)
Decorative Stitching Ideas	Innovative Ideas for Activewear	SPECIAL THREADS FOR KNITS: Super Brite® Poly – Shiny & Durable Super Strength® Rayon – Shiny & Soft Super Strength Variegated Twister Tweed – Shiny 2 Tone J Metallic® - Shiny – Glitzy appearance MoonGlow® - Glow in the Dark thread Signature Plus® - Shiny & Bold Design-A-Core® - Matte Two Tone	SPECIAL STITCHES FOR KNITS: - 504 / 514 with 2 or 3 threads in upper looper - 401 Reverse - 602/605 w 2 or 3 Thds. In Spreader - 505 Break-Open w Deco threads in Needles - Pico Edging* - Lettuce Edging* - Shell Stitching* *See Decorative Stitch Matrix	

THREAD RECOMMENDATION BY GARMENT

<u>CAP & HATS</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Baseball Caps	Med. Weight – Moderate Wash	Seaming & Topstitching: T-40 Core (Perma Core® or D-Core®)	Seaming & Topstitching: T-40 Core (Perma Core® or D-Core®) Loopers, Serging & Eyelets – T-40, T-45 Spun Poly (Perma Spun® or Excell®)	Seaming & Topstitching: T-40, T-60 Spun Poly (Perma Spun® or Excell®) Loopers, Serging & Eyelets – T-40, T-45 Spun Poly (Perma Spun® or Excell®)
	EMBROIDERY	Super Brite® Poly – Shiny & Durable Super Strength® Rayon – Shiny & Soft Super Strength Variegated Twister Tweed – Shiny 2 Tone	J Metallic® - Shiny – Glitzy appearance MoonGlow® - Glow in the Dark thread Signature Plus® - Shiny & Bold Design-A-Core® - Matte Two Tone	
<u>DENIM / JEANSWEAR</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Jeans, Capri Pants, Shorts	Med. Weight – Light to Moderate Wash	<u>Topstitching:</u> T-60, T-80 Core (Perma Core® NWT or D-Core® NWT) <u>Loopers:</u> T-60 P-Core or D-Core <u>Serging:</u> T-40 P-Core or D-Core	<u>Topstitching:</u> T-60, T-80 Core (Perma Core® NWT or D-Core® NWT) <u>Loopers:</u> T-60 Spun Poly (Perma Spun® or Excell®) <u>Serging:</u> T-40, T-60 Spun Poly	<u>Topstitching:</u> T-60, T-90 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-60 Spun Poly (Perma Spun® or Excell®) <u>Serging:</u> T-40, T-60 Spun Poly
	Heavy Weight – Harsh Wash	<u>Topstitching:</u> T-80 to T-120 Core (Perma Core® NWT or D-Core® NWT) <u>Loopers:</u> T-60 up to T-105 P-Core NWT or D-Core NWT <u>Serging:</u> T-60, T-40 Core P-Core or D-Core	<u>Topstitching:</u> T-80 to T-120 Core (Perma Core® or D-Core®*) <u>Loopers:</u> T-60 up to T-105 Spun Poly (Perma Spun® or Excell®) or Magic® <u>Serging:</u> T-60 Spun Poly or T-40 Magic®	<u>Topstitching:</u> T-90, T-120 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-60 up to T-105 Spun Poly (Perma Spun® or Excell®) <u>Serging:</u> T-60 or T90 Spun Poly
Jackets, Skirts, Skorts	Hvy. Weight – Harsh Wash	<u>Topstitching:</u> T-80 to T-120 Core (Perma Core® NWT or D-Core® NWT) <u>Loopers:</u> T-60 up to T-105 P-Core or D-Core <u>Serging:</u> T-60, T-40 Core P-Core or D-Core	<u>Topstitching:</u> T-80 to T-120 Core (Perma Core® NWT or D-Core® NWT) <u>Loopers:</u> T-60 up to T-105 Spun Poly (Perma Spun® or Excell®) <u>Serging:</u> Alternative Lpr. Thds.: T-60 Spun Poly or Magic®	<u>Topstitching:</u> T-90, T-120 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-60 up to T-105 Spun Poly (Perma Spun® or Excell®) <u>Serging:</u> Alternative Lpr. Thds.: T-60 or T90 Spun Poly
Denim – Decorative Stitching	Innovative Ideas for Denim	X-Bold Topstitching: T-150 up to T-300 (Perma Core®, D-Core® or Perma Spun®) Bold & Shiny Topstitching: T-105, T-120, T-240 Signature Plus® Matte Two Tone: T-80 up to T150 Design-A-Core®	Wash-Down Effect: T-40 up to T-150 D-Core® Indigo (W33104) Other Decorative Threads for embroidery or for effect: Super® Brite Poly – shiny & durable J Metallic® - Shiny – Glitzy appearance MoonGlow® - Glow in the Dark thread	

THREAD RECOMMENDATION BY GARMENT

<u>INFANTS / BABY</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Sleepwear – Pajamas, Sleepers	Light Wt. to Medium Wt. Flame-Retardant Knit Fabric	<u>Topstitching & Seaming:</u> T-24 Perma Kool® <u>Buttonsew:</u> T-24 Perma Core® Reactive	<u>Topstitching & Seaming:</u> T-24 Perma Kool® <u>Loopers & Overedging:</u> T-21 or T-27 Spun Kool® <u>Buttonsew:</u> T-24 Perma Core® Reactive	<u>Topstitching & Seaming:</u> T-21 or T-27 Spun Kool <u>Loopers & Overedging:</u> T-18, T-24, T-35 Tex Kool <u>Buttonsew:</u> T-24 Perma Core® Reactive
Knit Activewear – Panty, T-Shirt, Tank Top, Onesie, Polo, Pants	Light Wt. to Medium Wt. Knit Fabric	<u>Topstitching & Seaming:</u> T-24 Perma Core® <u>Buttonsew:</u> T-24 Perma Core® Reactive	<u>Topstitching & Seaming:</u> T-24 Perma Core® <u>Loopers & Overedging:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-24 Perma Core® Reactive	<u>Topstitching & Seaming:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Loopers & Overedging:</u> T-18, T-24 Wildcat Plus <u>Buttonsew:</u> T-24 Perma Core® Reactive
Playwear – Shirts, Pants, Jackets, Pajamas	Light Wt. to Medium Wt. Woven Fabrics	<u>Topstitching & Seaming:</u> T-24, T-30 Perma Core® <u>Buttonsew:</u> T-24 Perma Core® Reactive	<u>Topstitching & Seaming:</u> T-24, T-30 Perma Core® <u>Loopers & Overedging:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-24 Perma Core® Reactive	<u>Topstitching & Seaming:</u> T-21, T-27, T-40 Spun Poly (Perma Spun® or Excell®) <u>Loopers & Overedging:</u> T-18, T-24 Wildcat Plus <u>Buttonsew:</u> T-24 Perma Core® Reactive
	EMBROIDERY	T-21 Perma Spun® / T-24 Perma Core® - Matte Super Brite® Poly – Shiny & Durable Super Strength® Variegated Twister Tweed® – Shiny 2 Tone MoonGlow® - Glow in the Dark thread	A&E receives many inquires for an FR embroidery thread for Children's Sleepwear. The Rule from CPSC regarding embroidery thread for Children's Sleepwear states: "Individual pieces less than 2 inches in their longest dimension, provided that such pieces do not constitute or cover in aggregate a total of more than 20 square inches of the item do not need to be tested for FR." This means that, if the embroidery pattern is less than 2 inches in any direction, the embroidery stitching does not have to be tested for FR and an FR embroidery thread is not required.	

<u>INTIMATES</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Bras, Panties, Thongs	X-Light to Light Wt.	<u>Zig-Zag Needle:</u> T-16 or T-18 Perma Core® Ultimate or Perma Core <u>Overedge & Coverstitch:</u> T-16 or T-24 Intima Soft®, T-18 or T-24 Wildcat Plus®, T-16 or T-24 Best Stretch®		<u>Zig-Zag Needle:</u> T-18 or T-21 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch:</u> T-16 or T-24 Intima Soft®, T-18 or T-24 Wildcat Plus®, T-16 or T-24 Best Stretch®
Camisoles, Slips, Sleepwear, Night Gowns	X-Light to Light Wt.	<u>Needles & Bobbins:</u> T-16 or T-18 Perma Core® Ultimate or T-16 or T-18 Perma Core® <u>Overedge & Coverstitch:</u> T-16 or T-24 Intima Soft®, T-18 or T-24 Wildcat Plus®, T-16 or T-24 Best Stretch®		<u>Needles & Bobbins:</u> T-18 or T-21 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch:</u> T-16 or T-24 Intima Soft®, T-18 or T-24 Wildcat Plus®, T-16 or T-24 Best Stretch®
Decorative Stitching	Innovative Ideas for Intimates	SPECIAL THREADS FOR INTIMATES T-35 Embroidery™ – Shiny Cover-Thread Super Brite® Poly – Shiny & Durable Super Strength® Rayon – Shiny & Soft Super Strength® Variegated	SPECIAL THREADS FOR INTIMATES Twister Tweed® – Shiny 2 Tone J Metallic® - Shiny – Glitzy appearance MoonGlow® - Glow in the Dark thread	



THREAD RECOMMENDATION BY GARMENT

TECHNICAL BULLETIN

<u>KIDSWEAR</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Knit Activewear – Shirts, Polos, Tees, Pullovers	Light Weight Knit Fabric	<u>Topstitching & Mainseams:</u> T-24 Perma Core® <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-24 Perma Core® <u>Loopers:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-18 or T-21 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-18 or T-24 Wildcat Plus® <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive
Denim – Jeans, Carpenter, Shorts	Med. Weight – Moderate Wash	<u>Topstitching:</u> T-60, T-80 Core (Perma Core® NWT or D-Core® NWT*) <u>Loopers & Serging</u> – (Perma Core® NWT or D-Core®)	<u>Topstitching:</u> T-60, T-80 Core (Perma Core® NWT or D-Core® NWT*) <u>Loopers & Serging</u> - Alternative Lpr. Thds.: T-40, T-45, T-60 Spun Poly or Magic®	<u>Topstitching:</u> T-60, T-90 Spun Poly (Perma Spun® or Excell®) <u>Loopers & Serging</u> - Alternative Lpr. Thds.: T-40, T-45, T-60 Spun Poly or Magic®
Woven Activewear – Shirts, Pants, Jackets, Skirts, Dresses	Light to Medium Weight Woven Fabric	<u>Topstitching & Mainseams:</u> T-24, T-30 Perma Core® <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-24, T-30 Perma Core® <u>Loopers:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-27, T-40 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-18, T-24, T-35 Wildcat Plus® <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive
<u>MENSWEAR</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Casual Shirts, Jackets	Light Weight Woven Fabric	<u>All Operations:</u> T-24 Perma Core®	<u>All Operations:</u> T-24 Perma Core® <u>Loopers & Overedge:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®)	<u>All Operations:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Loopers & Overedge:</u> T-18 Wildcat Plus®
Chino Pants, Cargo Pants	Medium Weight Woven Fabric	<u>Topstitching & Mainseams:</u> T-40 & T-60 Perma Core® <u>Buttonsew & Buttonhole:</u> T-40 Perma Core® <u>Serging</u> – T-24 or T40 Perma Core®	<u>Topstitching & Mainseams:</u> T-40 & T-60 Perma Core® <u>Buttonsew & Buttonhole:</u> T-40 Perma Core® <u>Serging</u> – T-40 Spun Poly (Perma Spun® or Excell®)	<u>Topstitching & Mainseams:</u> T-40 & T-60 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew & Buttonhole:</u> T-60 Spun Poly <u>Serging</u> – T-27 or T-40 Spun Poly (Perma Spun® or Excell®)
Polo Shirt, Knit Shirt	Light Weight Knit Fabric	<u>All Operations:</u> T-24 Perma Core®	<u>All Operations:</u> T-24 Perma Core® <u>Loopers:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®)	<u>All Operations:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Looper:</u> T-18 Wildcat Plus®
Pajamas, Loungewear	Light Weight Woven or Knit Fabric	<u>All Operations:</u> T-24 Perma Core®	<u>All Operations:</u> T-24 Perma Core® <u>Loopers:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®)	<u>All Operations:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Looper:</u> T-18 Wildcat Plus®
Robe	Medium - Heavy Weight Woven or Knit Fabric	<u>All Operations:</u> T-30, T-40 Perma Core®	<u>All Operations:</u> T-30, T-40 Perma Core® <u>Loopers:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®)	<u>All Operations:</u> T-40 or T-60 Spun Poly (Perma Spun® or Excell®) <u>Looper:</u> T-35 Wildcat Plus®

THREAD RECOMMENDATION BY GARMENT

<u>TAILORED CLOTHING</u>	FABRIC WGT / DETAILS	BEST should be used where there are special requirements where quality seaming is a MUST.	BETTER should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	GOOD should be used where Price is the Major Consideration for Lower Price Point Items
Dress Shirts, Blouses	X-Light Wt.	<u>Topstitching & Mainseams:</u> T-16 or T-18 Perma Core® Ultimate <u>Loopers:</u> T-16 or T-18 Perma Core® Ultimate <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-16 or T-18 Perma Core® Ultimate <u>Loopers:</u> T-16 or T-18 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-16 or T-18 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-16 or T-18 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-27 or T-40 Spun Poly (Perma Spun® or Excell®)
	Light to Medium Wt.	<u>Topstitching & Mainseams:</u> T-18 or 24 Perma Core® Ultimate <u>Loopers:</u> T-16 or T-18 Perma Core® Ultimate <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-18 or 24 Perma Core® Ultimate <u>Loopers:</u> T-16 or T-18 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-16 or T-21 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-16 or T-18 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-27 or T-40 Spun Poly (Perma Spun® or Excell®)
Suit Coats & Sports Jackets – Men’s & Women’s	X-Light Wt.	<u>Topstitching & Mainseams:</u> T-16 or T-18 Perma Core® Ultimate <u>Buttonsew & Buttonhole:</u> T-45 Anefil® Nylon <u>Blindstitch</u> – Teryl B™ <u>Serging</u> – T-18 Perma Core®	<u>Topstitching & Mainseams:</u> T-16 or T-18 Perma Core® Ultimate <u>Buttonsew & Buttonhole:</u> T-45 Anefil® Nylon <u>Blindstitch</u> – Teryl B™ or Clearlon® <u>Serging</u> – T-21 Spun Poly (Perma Spun® or Excell®)	<u>Topstitching & Mainseams:</u> T-21 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew & Buttonhole:</u> T-45 Anefil® Nylon <u>Blindstitch</u> – Teryl B™ or Clearlon® <u>Serging</u> – T-21 Spun Poly (Perma Spun® or Excell®)
	Light to Med. Wt.	<u>Topstitching & Mainseams:</u> T-24 Perma Core® Ultimate <u>Buttonsew & Buttonhole:</u> T-45 Anefil® Nylon <u>Blindstitch</u> – Teryl B™ <u>Serging</u> – T-18 or T-24 Perma Core®	<u>Topstitching & Mainseams:</u> T-24 Perma Core® Ultimate <u>Buttonsew & Buttonhole:</u> T-45 Anefil® Nylon <u>Blindstitch</u> – Teryl B™ or Clearlon® <u>Serging</u> – T-21 or T-27 Spun Poly (Perma Spun® or Excell®)	<u>Topstitching & Mainseams:</u> T-27 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew & Buttonhole:</u> T-60 Spun Poly <u>Blindstitch</u> – Clearlon® <u>Serging</u> – T-21 or T-27 Spun Poly (Perma Spun® or Excell®)
Leather Jackets	Med. Wt.	<u>Topstitching & Mainseams:</u> T-40 D-Core® <u>Lining:</u> T-24 Perma Core®	<u>Topstitching & Mainseams:</u> T-40 Perma Core® <u>Lining:</u> T-27 Perma Spun®	<u>Topstitching & Mainseams:</u> T-40, T-45 Spun Poly (Perma Spun® or Excell®) <u>Lining:</u> T-27 Perma Spun®
	Heavy Wt.	<u>Topstitching & Mainseams:</u> T-60 or T-80 D-Core® <u>Lining:</u> T40 Perma Core®	<u>Topstitching & Mainseams:</u> T-60 or T-80 D-Core® <u>Lining:</u> T-40 Spun Poly (Perma Spun® or Excell®)	<u>Topstitching & Mainseams:</u> T-60, T-90 Spun Poly (Perma Spun® or Excell®) <u>Lining:</u> T-40 Spun Poly
Suit Trouser, Dress Pants	Light to Medium Wt.	<u>Topstitching & Mainseams:</u> T-24 Perma Core® Ultimate <u>Buttonsew & Buttonhole:</u> T-40 Perma Core® Reactive <u>Blindstitch</u> – Teryl B™ <u>Serging</u> – T-21 or T-27 Perma Spun		<u>Topstitching & Mainseams:</u> T-27, T-40 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew & Buttonhole:</u> T-40 Perma Core® Reactive <u>Blindstitch</u> – Teryl B™ <u>Serging</u> – T-18 Wildcat Plus®

THREAD RECOMMENDATION BY GARMENT

<u>TAILORED CLOTHING</u> <i>continued</i>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Suit Vest	Light Weight	<u>Topstitching & Mainseams:</u> T-16 or T-18 Perma Core® Ultimate <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive <u>Buttonhole:</u> T-24 Perma Core® Ultimate		<u>Topstitching & Mainseams:</u> T-16 or T-18 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew and Buttonhole:</u> T-27 or T-40 Spun Poly
Neckwear – Neck Tie, Bow Tie	Light to Medium Wt.	<u>Seaming & Labels:</u> T-18 or 24 Perma Core® Ultimate <u>Liba Slip Stitch Thread:</u> T-45 Anefil Poly® Cat#D571123		<u>Seaming & Labels:</u> T-16 or T-21 Spun Poly (Perma Spun® or Excell®) <u>Liba Slip Stitch Thread:</u> T-45 Anefil Poly® Cat#D571123

<u>OUTERWEAR</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Coats, Overcoats, Raincoats	Light Weight Woven Fabric with Water Repellent Finish including micro-denier fabrics	<u>Topstitching & Mainseams:</u> T-16, T-18 Perma Core® Ultimate <u>Loopers:</u> T-16 or T-18 Perma Core® Ultimate <u>Buttonsew:</u> T-45 Anefil® Nylon	<u>Topstitching & Mainseams:</u> T-16, T-18 Perma Core® Ultimate <u>Loopers:</u> T-16 or T-18 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-24 or T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-18, T-21, T-27 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-18 or T-21 Spun Poly (Perma Spun® or Excell®) <u>Buttonsew:</u> T-27 or T-40 Spun Poly (Perma Spun® or Excell®)
Coats, Overcoats, Raincoats	Medium Weight Woven Fabric with Water Repellent Finish	<u>Topstitching & Mainseams:</u> T-30, T-40 Perma Core® <u>Loopers:</u> T-24 Perma Core® <u>Buttonhole, Buttonsew:</u> T-45 Anefil® Nylon	<u>Topstitching & Mainseams:</u> T-30, T-40 Perma Core® <u>Loopers:</u> T40 Spun Poly (Perma Spun® or Excell®) <u>Buttonhole, Buttonsew:</u> T-40, T-60 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-40 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-40 Spun Poly (Perma Spun® or Excell®) <u>Buttonhole, Buttonsew:</u> T-40, T-60 Spun Poly (Perma Spun® or Excell®)
Parka, Down Jacket, Ski Wear	Heavy Weight Woven Fabric with Water Repellent Finish	<u>Topstitching & Mainseams:</u> T-60, T-80 Perma Core® <u>Lining:</u> T-24, T-30, T-40 Perma Core®	<u>Topstitching & Mainseams:</u> T-60, T-80 Perma Core® <u>Lining:</u> T-27, T-40 Spun Poly (Perma Spun® or Excell®)	<u>Topstitching & Mainseams:</u> T-60, T-90 Spun Poly (Perma Spun® or Excell®) <u>Lining:</u> T-27, T-40 Spun Poly (Perma Spun® or Excell®)
Sweaters, Sweater Vests	Lt. to Medium Weight Knit Fabrics Mainseams are normally Looped together	<u>Topstitching & Mainseams:</u> T-30, T-40 Perma Core® <u>Loopers:</u> T-24 Perma Core® <u>Buttonhole, Buttonsew:</u> T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-30, T-40 Perma Core® <u>Loopers:</u> T-27 Spun Poly (Perma Spun® or Excell®) <u>Buttonhole, Buttonsew:</u> T-40 Perma Core® Reactive	<u>Topstitching & Mainseams:</u> T-27, T-40 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-27 Spun Poly (Perma Spun® or Excell®) <u>Buttonhole, Buttonsew:</u> T-40 Perma Core® Reactive



THREAD RECOMMENDATION BY GARMENT

TECHNICAL BULLETIN

<u>SWIMWEAR</u>	FABRIC WGT / DETAILS	BEST should be used where there are special requirements where quality seaming is a MUST.	BETTER should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	GOOD should be used where Price is the Major Consideration for Lower Price Point Items
Ladies, Juniors, Missy's Tanks, Bikini	Lt. to Med. Weight Stretch Knit Fabric 14 to 18 spi recommended	<u>Lockstitch, Zig-Zag:</u> T-24, T-30 Perma Core® <u>Overedge & Coverstitch Needles:</u> T-24 Perma Core® <u>Overedge & Coverstitch:</u> T-24, T-35 Wildcat Plus® or T-24, T-35 Best Stretch®	<u>Lockstitch, Zig-Zag:</u> T-24, T-30 Perma Core® <u>Overedge & Coverstitch Needles:</u> T-21, T-27 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch:</u> T-24, T-35 Wildcat Plus® or T-24, T-35 Best Stretch®	<u>Lockstitch, Zig-Zag:</u> T-21, T-27 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch Needles:</u> T-21, T-27 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch:</u> T-24, T-35 Wildcat Plus® or T-24, T-35 Best Stretch®
Men's, Juniors, Boys' Shorts	Med. Weight Stretch Knit Fabric 12 to 14 spi recommended	<u>Lockstitch:</u> T-40 Perma Core® <u>Overedge & Coverstitch Needles:</u> T-24, T-30 Perma Core® <u>Overedge & Coverstitch:</u> T-24, T-35 Wildcat Plus® or T-24, T-35 Best Stretch®	<u>Lockstitch:</u> T-40 Perma Core® <u>Overedge & Coverstitch Needles:</u> T-27, T-40 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch:</u> T-24, T-35 Wildcat Plus® or T-24, T-35 Best Stretch®	<u>Lockstitch:</u> T-40 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch Needles:</u> T-27, T-40 Spun Poly (Perma Spun® or Excell®) <u>Overedge & Coverstitch:</u> T-24, T-35 Wildcat Plus® or T-24, T-35 Best Stretch®

<u>UNDERWEAR</u>	FABRIC WGT / DETAILS	BEST should be used where there are special requirements where quality seaming is a MUST.	BETTER should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	GOOD should be used where Price is the Major Consideration for Lower Price Point Items
Men's Knit Underwear – Briefs, Undershirt, A-Shirt	Light Weight Knits	<u>All Operations:</u> T-21, T-27 Spun Poly (Perma Spun® or Excell®)	<u>Needles & Bobbins:</u> T-21, T-27 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-18, T-24 Wildcat Plus®	<u>All Seaming Operations:</u> T-18, T-24 Wildcat Plus® <u>Labels & Tacking:</u> T-21 Spun Poly (Perma Spun® or Excell®)
Thermal Underwear	Medium Weight Knits	<u>Needles & Bobbins:</u> T-24 Perma Core® <u>Loopers:</u> T-24, T-35 Wildcat Plus®	<u>Needles & Bobbins:</u> T-27 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-24, T-35 Wildcat Plus®	<u>Needles & Bobbins:</u> T-27 Spun Poly (Perma Spun® or Excell®) <u>Loopers:</u> T-18, T-24 Wildcat Plus®
Ladies, Missy Panties	Light Weight	<u>Needles & Bobbins:</u> T-24 Perma Core® <u>Loopers:</u> T-24, T-35 IntimaSoft®	<u>Needles & Bobbins:</u> T-24 Perma Core® <u>Loopers:</u> T-24, T-35 Best Stretch®	<u>Needles & Bobbins:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Looper:</u> T-18, T-24 Wildcat Plus®
Boxer Shorts	Light Weight	<u>All Operations:</u> T-24 Perma Core®	<u>Needles & Bobbins:</u> T-24 Perma Core® <u>Loopers:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®)	<u>All Operations:</u> T-21 or T-27 Spun Poly (Perma Spun® or Excell®) <u>Looper:</u> T-18 Wildcat Plus®



THREAD RECOMMENDATION BY GARMENT

TECHNICAL BULLETIN

<u>WORKWEAR & UNIFORMS</u>	FABRIC WGT / DETAILS	BEST should be used where there are special requirements where quality seaming is a MUST.	BETTER should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	GOOD should be used where Price is the Major Consideration for Lower Price Point Items
Work Shirts, Smocks, Lab Coats	Light Weight	Topstitching & Mainseams: T-24 Perma Core® Overedge: T-24 Perm Core® Buttonsew: T-40-Perma Core® Reactive Buttonhole: T-24 or T-40 Perma Core®	Topstitching & Mainseams: T-24 Perma Core® Overedge: T-27 Spun Poly (Perma Spun® or Excell®) BS or Buttonhole: T-24 or T-40 Perma Core®	Topstitching & Mainseams: T-27 Spun Poly (Perma Spun® or Excell®) Overedge: T-27 Spun Poly BS or Buttonhole: T-27 or T-40 Spun Poly
	Medium Weight	Topstitching & Mainseams: T-30 Perma Core® Overedge: T-30 or T-40 Perma Core® Buttonsew: T-40-Perma Core® Reactive Buttonhole: T-30 or T-40 Perma Core®	Topstitching & Mainseams: T-30 Perma Core® Overedge: T-40 Spun Poly (Perma Spun® or Excell®) BS or Buttonhole: T-30 or T-40 Perma Core®	Topstitching & Mainseams: T-40 Spun Poly (Perma Spun® or Excell®) Overedge: T-27 Spun Poly Poly BS or Buttonhole: T-40 Spun Poly
Work Pants	Medium Weight	Topstitching & Mainseams: T-40 & T-60 Perma Core® Overedge: T-40 Perma Core® Buttonsew: T-40-Perma Core® Reactive Buttonhole: T-40 Perma Core®	Topstitching & Mainseams: T-40 & T-60 Perma Core® Overedge: T-40 Perma Core® Buttonsew: T-40-Perma Core® Reactive Buttonhole: T-40 Perma Core®	Topstitching & Mainseams: T-60 Spun Poly (Perma Spun® or Excell®) Overedge: T-40 Spun Poly Buttonsew / Buttonhole: T-40 or T-60 Spun Poly
Coveralls	Light to Medium Weight	Topstitching & Mainseams: T-30, T-40 Perma Core® Loopers & Serging: T-30, T-40 Perma Core® Buttonsew: T-40-Perma Core® Reactive	Topstitching & Mainseams: T-30, T-40 Perma Core® Loopers & Serging: T-40 Spun Poly (Perma Spun® or Excell®) Buttonsew: T-40-Perma Core® Reactive	Topstitching & Mainseams: 40 Spun Poly (Perma Spun® or Excell®) Loopers & Serging: T-27, T-40 Spun Poly (Perma Spun® or Excell®) Buttonsew: T-40 Spun Poly
	Med. to Heavy Weight	Topstitching & Mainseams: T-60, T-80 Core (Perma Core® or D-Core®*); Loopers & Serging: T-60, T-40 Core (Perma Core® or D-Core®) Buttonsew: T-40-Perma Core® Reactive	Topstitching & Mainseams: T-60, T-80 Core (Perma Core® or D-Core®*); Loopers & Serging: T-60, T-40 Spun Poly (Perma Spun® or Excell®) Buttonsew: T-40-Perma Core® Reactive	Topstitching & Mainseams: T-60, T-90 Spun Poly (Perma Spun® or Excell®) Loopers & Serging: T-60, T-40 Spun Poly (Perma Spun® or Excell®) Buttonsew: T-60 Spun Poly
Overalls	Heavy Weight	Topstitching & Mainseams: T-60, T-80 Core (Perma Core® or D-Core®*); Loopers & Serging: T-60, T-40 Core (Perma Core® or D-Core®)	Topstitching & Mainseams: T-60, T-80 Core (Perma Core® or D-Core®*); Loopers & Serging: T-60, T-40 Spun Poly (Perma Spun® or Excell®)	Topstitching & Mainseams: T-60, T-90 Spun Poly (Perma Spun® or Excell®) Loopers & Serging: T-60, T-40 Spun Poly (Perma Spun® or Excell®)



THREAD RECOMMENDATION BY GARMENT

TECHNICAL BULLETIN

<u>PROTECTIVE CLOTHING</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Shirts, Jackets	Medium Weight	Topstitching & Mainseams: T-40 Nomex® Loopers & Serging: T-24 Nomex® Embroidery: T-27 Super Safe		
Pants, Overalls	Heavy Weight	Topstitching & Mainseams: T-60, T-80 Nomex® Loopers & Serging: T-60, 40 Nomex® Embroidery: T-27 Super Safe		
Coveralls, Coats	Heavy	Topstitching & Mainseams: T-60, T-80 Nomex® Loopers & Serging: T-60, 40 Nomex® Straps & Harness: T-60, T-90 Kevlar® Embroidery: T-27 Super Safe		

<u>WOMENSWEAR</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Casual Shirts, Blouses, Tops, Vests	Light Weight Woven	All Operations: T-18, T-24 Perma Core®	All Operations: T-21 Spun Poly (Perma Spun® or Excell®)	All Operations: T-21 Spun Poly (Perma Spun® or Excell®)
Casual Shirts, Tops	Light Weight Knit	All Operations: T-24 Perma Core®	All Operations: T-27 Spun Poly (Perma Spun® or Excell®)	Needles: T-21 Spun Poly (Perma Spun® or Excell®) Loopers: T-18, T-24 Wildcat Plus®
Dresses / Skirts	Light & Medium Weight Woven	All Operations: T-24 Perma Core®	All Operations: T-27 Spun Poly (Perma Spun® or Excell®)	All Operations: T-21 Spun Poly (Perma Spun® or Excell®)
Dresses / Skirts	Light & Medium Weight Knits	All Operations: T-24 Perma Core®	All Operations: T-27 Spun Poly (Perma Spun® or Excell®)	Needles: T-21 Spun Poly (Perma Spun® or Excell®) Loopers: T-18, T-24 Wildcat Plus®
Formal Dress / Wedding Dresses	Light Weight Woven	All Operations: T-16, T-18, T-24 Perma Core® Ultimate	All Operations: T-27 Spun Poly (Perma Spun® or Excell®)	All Operations: T-21 Spun Poly (Perma Spun® or Excell®)
Casual Pants, Capri Pants	Light & Medium Weight	All Operations: T-24 Perma Core®	All Operations: T-27 Spun Poly (Perma Spun® or Excell®)	All Operations: T-21 Spun Poly (Perma Spun® or Excell®)

THREAD RECOMMENDATION BY GARMENT

<u>A&E Brand Names</u>	<u>Generic Thread Type</u>	<u>Description</u>	<u>Color Card</u>
<i>Anecot® Organic</i>	1000% Spun Organic Cotton	T-27, T-40, T-70 – certified Organic Cotton	
<i>Best Stretch®</i>	Textured Nylon	T-16 up to T-60 – High bulk & high stretch	Global Textured Color Palette
<i>Clearlon®</i>	Nylon Monofilament	T-5 up to T-60 – Clear or Smoke for blindstitching, felling	
<i>D-Core®</i>	Cotton Wrapped Poly Core	T-24 up to T-350 – for extra needle heat resistance or wash-down look	Global Color Palette
<i>D-Core® NWT</i>	Cotton Wrapped Poly Core	T-60 up to T-150 – NWT = New Wash Technology for Denim	Global Color Palette & Denim Color Card
<i>Excell®</i>	Spun Polyester	T-16 up to T-270 – A&E Americas Spun Polyester Brand for CAFTA & NAFTA	Global Color Palette
<i>Intima Soft®</i>	Micro-denier Textured Polyester	T-16, T-24 – Very Soft feel	Global Color Palette
<i>Kevlar®</i>	Spun Kevlar®	T-40, T-60, T-80, T-90, T-105 – very strong and heat resistant	Only available in natural yellow or solution dyed black
<i>Magic®</i>	Air Entangled Polyester	T-21 up to T-135	Global Color Palette
<i>Nomex®</i>	Spun Nomexr®	T-27, T-40, T-60, T-80, T-90– very heat resistant	Nomex® color card
<i>Perma Core®</i>	Poly Wrapped Poly Core	T-18 up to T-300	Global Color Palette
<i>Perma Core® NWT</i>	Poly Wrapped Poly Core	T-60 up to T-150 – NWT = New Wash Technology for Denim	Global Color Palette & Denim Color Card
<i>Perma Core® REACTIVE</i>	Poly Wrapped Poly Core	T-16 up to T-80 – heat activated finish preventing thread from unraveling	
<i>Perma Core® Ultimate</i>	Poly Wrapped Poly Core	T-16, T-18, T-24 - For minimizing seam puckering	Global Color Palette
<i>Perma Spun®</i>	Spun Polyester	T-16 up to T-270 – A&E Global Spun Polyester Brand	Global Color Palette
<i>Teryl B™</i>	Polyester Monocord	T-14 – For blindstitching tailored clothing	
<i>Wildcat Plus®</i>	Textured Polyester	T-18 up to T-70	Global Textured Color Palette & Global Color Palette
<i>Wildcat Plus® Repreve</i>	Recycled Textured Polyester	T-18	

Special Thread Applications for Apparel

APPLICATION	FABRIC WEIGHT	THREAD & APPLICATION
Blindstitch hemming or felling Tailored Clothing	Lt. - Med.	<i>Teryl B™</i> - T-14 Monocord Poly <i>Clearlon®</i> – Monofilament Nylon in sizes ranging from T-5 up to T-50.
Buttonhole Gimp	Med. - Heavy	<i>Anecot® Gimp</i> - T-180 Soft or Glaced 100% Cotton, <i>Anepoly™ Gimp</i> – T-210 Soft 100% Polyester
Buttonsew Thread – heat activated to prevent unraveling	Lt. - Med.	<i>Perma Core® REACTIVE</i> - T-24, T-40, T-60
Clear – Translucent thread	Lt. - Med.	<i>Clearlon®</i> - T-5, T-8, T-14, T-18, T-27, T-35, T-45, T-50, T-60 & T-80 - available in clear or smoke.
Flammability - Children's Sleepwear	Lt. - Med.	<i>Perma Kool®</i> - T-24, T-40, T-50, T-80 - poly core with FR finish <i>Spun Kool®</i> - T-21, T-27, T-40, T-45 & T-120 spun polyester with FR finish <i>Tex Kool®</i> - T-18, T-35 - textured polyester <i>Magic Kool®</i> - T-45 air entangled polyester with FR finish
Frame-Retardant Threads for Protective Clothing	Lt. , Med. & Heavy	<i>Nomex®</i> - T-27, T-40, T-60, T-80 & T-90 – spun meta-aramid fiber available in colors <i>Kevlar®</i> - T-40, T-60, T-80, T-90 & T-105 – spun para-aramid fiber available in natural yellow color or solution dyed black <i>Conex®</i> - T-90 – spun meta-aramid stronger than Nomex® <i>Extreme CSN®</i> - T-27, T-45, T-70 – Craq Spun Nomex® - stronger than regular spun Nomex® <i>Super Safe®</i> - Embroidery Thread - T-27 spun meta-aramid fiber available in colors Nomex® and Kevlar® are registered trademarks of DuPont®
Garment Dyeing - 100% cotton knit goods	Lt. - Med.	T-30, T-40 <i>Anecot Plus®</i> - Soft 100% Cotton
Garment Dyeing - 100% cotton denim products	Heavy. Wt.	T-105, T-90 <i>Anecot Plus®</i> - Soft 100% Cotton
Garment Dyeing - Tencel® Fabrics	Lt. - Med.	T-40, T-60, T-90 & T-120 <i>Endurance®</i> - Natural - Spun Lyocell®
Purl Stitch Serging	Lt. - Med.	Needle Thd. - T-24 <i>Perma Core®</i> - PW Core; Looper Thd.: T-50, T-70 <i>Wildcat Plus®</i> - Textured Polyester
Reflective Thread	Lt. – Med.	We do not have a reflective thread. We have a fluorescing thread = <i>Moonglow®</i>



Special Thread Applications for Apparel

<u>APPLICATION</u>	<u>FABRIC WEIGHT</u>	<u>THREAD & APPLICATION</u>
Sequin Thread	Lt. – Med.	Sequins are normally sewn on with a lockstitch machine with a special sequin indexing attachment. We recommend using T-24 <i>Perma Core® Ultimate</i> for this application.
Sewing Silk Fabrics	Lt. – Med.	<i>Super Strength Rayon®</i> has a shiny soft feel like Silk. <i>Perma Core® Ultimate</i> used to sew silk fabrics with the minimum amount of seam puckering.