



Stabilizing-at-a-Glance Computerized Machine Embroidery

Always do a test.

This chart contains basic guidelines for your use in building recipes as you take into consideration all fabric, thread and stabilizer used. Make any Sulky® Stabilizer (except Ultra Solvy™) a “Sticky-type” by spraying it with Sulky KK 2000™ Temporary Spray Adhesive. Solvys can be spritzed with water to make them into a sticky type stabilizer. Always hoop fabric in its relaxed lie. Do not distort the weave or grain when hooping! ❖ Indicates in the hoop.

❖❖ Indicates under the hoop. Use a new needle in size indicated and considering thread used.

Fabric	Needle Size (U) Universal (D) Denim (BJ) Ballpoint (S) Sharp (L) Leather (T) Topstitch	Backing or, one layer of Soft 'n Sheer Extra™	Topping (0) Original Solvy (O) Original Solvy
Canvas/Denim 10 to 12 oz.	16/100 (D) (U/S)	❖ 1 layer of Tear-Easy™ or Stiffy™	N/A
Chambray Cotton Shirting	12/80 14/90 (U/S)	❖ 2 layers of Tear-Easy or Stiffy	N/A
Corduroy	12/80 14/90 (UIS)	❖ Sticky+™	❖ (O) 1 layer
Cotton/ Quilting weight	12/80 14/90 (U/S)	❖ Totally Stable® & Tear-Easy	N/A
Dress Shirt (Poly Blend)	12/80 14/90 (U/S)	❖ 2 layers of Tear-Easy or Stiffy	N/A
Flannel	12/80 14/90 (U/S)	❖ 2 layers of Tear-Easy or Stiffy	❖ (S) 1 layer
Fleece	12/80 14/90 (U/S)	❖ Sticky+	❖ (S) 1 layer
Golf Shirt/Piqué	12/80 14/90 (B)	❖ 2 Soft 'n Sheer™ or 1 Cut-Away Plus™	❖ (S) 1 layer
Golf Shirt/Soft Knit	12/80 14/90 (B)	❖ 2 Soft 'n Sheer or 1 Cut-Away Plus	❖ (S) 1 layer
Hats	14/90 (U/S)	❖ Sticky+	❖ (S) 1 layer
Leather (soft)	16/100 (D or L)	❖ Sticky+ with ❖❖ 2-3 Tear-Easy	N/A
Linen	12/80 14/90 (U/S)	❖ 1 layer of Tear-Easy or Stiffy	N/A
Lingerie/Silk	12/80 14/90 (U/B)	❖ Sticky+	N/A
Lycra	11/75 12/80 (U/B)	❖ 2 Soft 'n Sheer or 1 Cut-Away Plus	❖ (S) 1 layer
Nylon Windbreaker (unlined)	11/75 12/80 (UIS)	❖ 2 layers of Tear-Easy with ❖❖ 1 Tear-Easy	N/A
Satin Jacket (lined)	11/75 12/80 (U/B)	❖ 2 layers of Tear-Easy	N/A
Satin Jacket (unlined)	11/75 12/80 (U/B)	❖ Stiffy with ❖❖ 2-3 Tear-Easy	N/A
Suiting	11/75 12/80 (UIS)	❖ 2 Soft 'n Sheer or 1 Cut-Away Plus	❖ (S) 1 layer
Sweater Knit	12/80 14/90 (U/B)	❖ 2 Cut-Away+ with ❖❖ -E/Stiffy	❖ (S) 1 layer
Sweatshirt Knit	12/80 14/90 (U/B)	❖ 2 Cut-Away Plus with ❖❖ T-E/Stiffy	❖ (S) 1 layer
T-Shirt Knit	11/75 12/80 (U/B)	❖ 2 Soft 'n Sheer with ❖❖ 1-2 T-E	❖ (S) 1 layer
Terry Cloth	12/80 14/90 (U/B)	❖ 2 layers of Tear-Easy	❖ (S) 1 layer
Ultra Suede	12/80 14/90 (U/B)	❖ Sticky+	N/A
Velvet/Velveteen	12/80 (B)	❖ Sticky+	❖ Heat-Away
Vinyl	14/90 (D or T)	❖ 2 layers of Paper Solvy™ misted with water to act as a sticky stabilizer with vinyl pressed to it.	



Attributes of each type of Sulky® Thread and their uses.

All threads are made from the highest quality raw goods available in the world. Threads include “snap-end spools” that allow you to store your thread ends neatly. Simply flip the snap-end open with your thumb! All threads are machine washable, dryable and dry cleanable.

❖ Indicates that it is color-fast when washed with detergents that do not contain chlorine or optical brighteners.

<p>40 wt. Rayon</p>	<p>❖ Very much the same luster as silk with silk’s smoothness, but it is stronger than either silk or cotton thread of the same weight. ❖ Won’t fray, fuzz or shrink. ❖ Less stretch than Polyester Thread. ❖ White can be over-dyed. ❖ Perfect for all machine work, sergers, knitting machines and handwork.</p> <p><i>Sulky 40 wt. Rayon is the thread most digitizers of computerized embroidery designs use as a standard. Industry experts calculate that one 250 yd. Sulky 40 wt. Rayon spool can create 44,000 embroidery stitches, while an 850 yd. Sulky King spool can create 156,000 stitches, and a 1,500 yd. Maxi-Spool can create 273,000 stitches.</i></p>
<p>40 wt. PolyDeco™</p> <p>60 wt. PolyLite™</p>	<p>❖ 40 wt. PolyDeco is extremely strong and can also be used for general seam sewing. ❖ Both 40 wt. and 60 wt. are trilobal, continuous filament, polyester fibers. They are color-fast when washed with detergents that contain chlorine or optical brighteners, which makes them ideal for sewing and embroidering children’s clothing, sports clothes and uniforms. ❖ 60 wt. PolyLite is so fine, it is ideal for quilting micro-stippling. ❖ It is also used as colored bobbin thread. ❖ Since it is so thin, a lot can be wound on a bobbin. ❖ Use PolyLite instead of silk thread for invisible, hand-turned appliqués and quilt bindings. ❖ Also used for French Hand Sewing and sewing lingerie. ❖ 60 wt. PolyLite will give the best results when machine or free-motion embroidering small lettering or outlining. ❖ Won’t fray, fuzz or shrink.</p>
<p>Original Metallic</p>	<p>❖ It is a round, twisted thread of metallic fibers over a strong core. ❖ It does not fuzz, fray or shrink. ❖ Since all Metallics hate abrasion, always use a 14/90 needle, soft pliable stabilizer, and a 60 wt. bobbin thread; sew slower. ❖ Dry at low heat. ❖ Dry cleanable.</p>
<p>Sliver™ Metallic</p> <p>Holoshimmer™ Metallic</p>	<p>❖ Both are a thin, flat, ribbon-like polyester film that is metalized with an aluminum layer to give it a brilliant reflectiveness. ❖ Holoshimmer is made with a holographic layer and is somewhat stronger than Sliver ❖ Does not fuzz, fray or shrink. ❖ Use only on a vertical spool pin since it is a flat thread; the twisting action from unwinding off a horizontal spool pin can cause breakage. ❖ When winding onto a bobbin, use a slow speed only. ❖ Always use a 14/90 needle, soft pliable stabilizer, and a 60 wt. bobbin thread; sew slower. ❖ Dry at low heat settings. ❖ Drycleanable. ❖ Do not apply direct heat from an iron. ❖ For craft use, you can curl it by wrapping it around a pencil and heating it.</p>
<p>12 wt. Cotton/ & Blendables®</p> <p>30 wt. Cotton/ & Blendables®</p>	<p>❖ 2-ply 100% premium long staple Egyptian Cotton. ❖ Matte finish. Solids are perfect to make a country, primitive or antique look. ❖ Blendables are perfect for machine quilting today’s multi-colored, mottled or batik dyed fabrics. ❖ It does fuzz and will shrink slightly. ❖ Very soft feel. ❖ White can be dyed. ❖ Hand embroiderers, punchneedle enthusiasts and hand quilters find it the perfect weight and texture, and prefer it over floss since it comes on a convenient spool that will not tangle and does not need to be separated like floss. ❖ Blendables are multi-colors; 126 of them are subtle and masterful blends of different colors within the same range of tone and intensity. ❖ Randomly changes color every 2-1/2” to 5”.</p>
<p>Polyester Invisible</p>	<p>❖ It is very fine .004 cross-wound monofilament of 100% Polyester. ❖ Softer, more flexible and more heat tolerant than nylon. ❖ It comes in Smoke and Clear on small or king-size, snap-end spools, or large cones. ❖ Wind on bobbins slowly and not quite full. ❖ Does not fuzz, fray or shrink.</p>
<p>60 wt. Polyester Bobbin</p>	<p>❖ Black and White are lightweight spun polyester. ❖ Commonly used in the bobbin for digitized computer embroidery. ❖ Won’t fuzz, fray or shrink.</p>