








HOBBSBONDED
FIBERSP.O. Box 2521
Waco, TX 76710254-741-0040
Fax: 254-772-7238**CRAFT PRODUCTS DIVISION**

PRODUCTS	PRODUCT TYPE	APPROXIMATE LOFT 	SHRINKAGE 	MAXIMUM DISTANCE BETWEEN STITCHES 	FOR HAND QUILTING 	FOR MACHINE QUILTING 	FOR DARK FABRICS 	FOR LIGHT FABRICS 
POLYESTER								
Cloudlite®	Resin Bonded Poly	1/4 - 3/8"	None	6"	Excellent	Excellent	Fair Pre-Test	Excellent
Cloudloft®	Resin Bonded Poly	1/2 - 5/8"	None	6"	Fair	Excellent	Fair Pre-Test	Excellent
Polydown®	Resin Bonded Poly Siliconized Fibers	1/4"	None	4"	Excellent	Excellent	Fair Pre-Test	Excellent
Polydown-DK®	Black Resin Bonded Poly	1/4"	None	4"	Excellent	Excellent	Excellent	Not Recommended
Thermore®	Resin Bonded Poly Patented Process	1/16"	None	9"	Excellent	Excellent	Excellent	Excellent
COTTON								
Heirloom Premium®	80% Cotton, 20% Poly-Resin Bonded & needlepunched	1/8" +	3%	4"	Excellent	Excellent	Excellent	Excellent
Heirloom® 80/20 Black	80% Cotton, 20% Poly-Resin Bonded & needlepunched	1/8"	3%	4"	Excellent	Excellent	Excellent	Not Recommended
Heirloom® 80/20 Bleached	80% Cotton, 20% Poly-Resin Bonded & needlepunched	1/8"	3%	4"	Excellent	Excellent	Fair Pre-Test	Excellent
Heirloom® 80/20 Fusible	80% Cotton, 20% Poly-Resin Bonded & needlepunched	1/8"	3%	4"	Excellent	Excellent	Excellent	Excellent
Heirloom Organic®	Needlepunched	1/8"	3-5%	4"	Excellent	Excellent	Excellent	Caution! Pre-Test
Heirloom Organic® <small>with scrim binder</small>	Needlepunched with scrim binder	1/8"	3-5%	8-10"	Caution! Pre-Test	Excellent	Excellent	Caution! Pre-Test
Heirloom Bleached®	Needlepunched	1/8"	3-5%	4"	Excellent	Excellent	Fair Pre-Test	Excellent
WOOL								
Heirloom Wool®	Washable Wool Resin Bonded	1/4-3/8"	None	4"	Excellent	Excellent	Caution! Pre-Test	Excellent

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BATTING TYPES

ADVANTAGES***** *LIABILITIES

There are basically four different types of methods for manufacturing quilt batting. Hobbs Bonded Fibers makes all different types for some uses in industry, but does not make all types for the home quilter for what will become obvious reasons.

GARNETTED/CARDED

Garnetted or carded battings can utilize any type of fiber. With this process the fiber is carded or garnetted, crosslapped, cut and packaged, nothing else is done to hold it together. Evaluation: This type of batting has to be quilted every 1/2 inch or it will bunch and shift. Even if quilted every 1/2 inch if the fiber is wool or polyester it will beard badly. If cotton and quilted very closely, results will be satisfactory, but batt could not be prewashed.

NEEDLEPUNCHED

This type of product is garnetted or carded and then the fiber passes through a "needle loom" that compresses and interlocks the fibers so that the product will handle like a blanket. Though the weight and amount of needlepunching drastically alters this type of batting, usually this type of batting could be quilted 4" apart and most often could be prewashed if desired. Evaluation: This type process is excellent for cotton batting, but poor for polyester or wool. Since cotton batting is rarely guilty of bearding, needlepunched cotton is fine and Hobbs makes all our cotton batting by needlepunching. However, needlepunched polyester and wool beard, in most cases profusely. We do not make the latter and recommend quilters stay far away from polyester, wool, and any blend of same.

THERMAL BONDED/HEAT SEALED

Thermal bonded or heat sealed batting is the same animal, just different names. Glazene is a type of thermally bonded batting, but is a trademarked product. In this process a fiber known as "low melt" polyester is mixed with standard polyesters. Low melt is a fiber that melts at a lower temperature than standard polyesters. In the case of Glazene batting, the garnetted or carded product is run through two heated rollers that compress the product and bonds the fibers together on the top and bottom. Thermal bonded or heat sealed is similar except the garnetted or carded fibers are run through an oven that is heated to temperature that melts the low melt but not the standard polyester. This type of batting is bonded all the way through, not just the top and bottom. Evaluation: Heat sealed polyester is not dry cleanable and does not hold up to washing as well as resin bonded. Hobbs does not make this type of batting for the home sewing market because of these limitations.

RESIN BONDED

Resin bonded batting is garnetted or carded, and then sprayed with a "resin" which bonds any two touching fibers together. It then passes through an oven or dryer to dry and cure the resin so it can be packaged. Evaluation: Because it bonds all fibers together that touch, it is a superior bonding technique than thermal bonding and it is dry cleanable. Though resin bonding does not completely eliminate bearding, it reduces it more than any other technique with polyester or wool battings. We recommend that you only buy polyester or wool battings that are resin bonded. It may cost a tad more, but it is worth the additional cost.

Batting Uses, Similar Products

Polyester Batting

CLOUDLIGHT: *Cloudlite is a low loft, resin bonded polyester for hand or machine quilting. It is similar to Low Loft only more price competitive.*

CLOUDLOFT: *Cloudloft is a high loft, resin-bonded polyester for machine quilting or tied quilts. It is similar to high loft only more price competitive.*

POLYDOWN: *Polydown is a low loft, resin bonded Siliconized polyester. Other than Thermore, it is the finest polyester batting on the market for hand or machine quilting and is extremely soft and easy to quilt and extremely uniform.*

POLYDOWN-DK: *Polydown-Dk is a low loft, resin bonded black, siliconized polyester. It is intended to be used with dark colored quilts and is the only resin bonded, black polyester batting on the market.*

THERMORE: *Thermore is the thinnest batt on the market and is guaranteed not to beard. Made especially for quilted clothing, miniatures and other projects when a very thin and drapable batting is required. Thermore is patented and there is nothing similar to it.*

Cotton Batting

HEIRLOOM 80/20 PREMIUM: *Heirloom Premium is 80% Cotton and 20% polyester, is lightly needle punched and lightly resin bonded. It shrinks less than other cotton battings and has a little more loft. It is made for hand or machine quilting and there are no similar products.*

HEIRLOOM 80/20 BLACK COTTON: *Heirloom 80/20 is the only black cotton batting on the market as of this printing. Has same specifications as Heirloom Premium.*

HEIRLOOM 80/20 BLEACHED COTTON: *Heirloom 80/20 bleached is same specifications as Heirloom Premium only white cotton instead of unbleached.*

HEIRLOOM ORGANIC: *Heirloom organic cotton is needle punched and is the only organic cotton batt on the market: It is made from organically grown cotton and has no pesticides or chemicals of any kind It is made for hand or machine quilters and is similar to several 100% cottons. Ours is less costly because we make our own and most of our competitors do not. It is the only organic cotton on the market.*

HEIRLOOM ORGANIC WITH SCRIM: *Heirloom organic cotton with scrim binder is made with the same organic cotton as Heirloom organic above Except in the needle punching process we add a polypropylene scrim binder that makes it possible to quilt up to 8-10 inches apart It is most similar to Warm & Natural except ours is organic and less expensive because we make the product ourselves.*

HEIRLOOM BLEACHED: *Heirloom bleached cotton is needle punched and made to be used with white or light fabrics. It is great for hand or machine quilting and is most similar to Quilters Dream bleached cotton except ours is considerably less expensive because we make it ourselves.*

Wool Batting

HEIRLOOM WOOL: *Heirloom Wool is a completely washable 100% wool batting that is resin bonded to resist bearding. It is the finest wool batting on the market today. There is no other wool similar to Heirloom Wool, and is the only resin bonded wool on the market.*

PREMIUM BATTINGS MADE TO QUILTERS SPECIFICATIONS

Listed in same order as samples are collated-with inside starting with the below item

HEIRLOOM ORGANIC UNBLEACHED COTTON -For Machine Quilters/Crafts

Heirloom Organic cotton batting with scrim binder is needle punched cotton batting with a thin polypropylene binder . We use the same pure organic cotton which is grown without pesticides or other chemicals as we do in all the organic cotton products, thus assuring the quilter that the batting is free of all chemicals which could cause an allergic reaction. The scrim binder provides additional strength which enables the product to be quilted up to 8-10 inches apart, or used as the outside layer for craft projects. This batting is primarily for machine quilters and crafts.

HEIRLOOM BLEACHED COTTON-For Fine Hand and Machine Quilting

Heirloom Bleached cotton uses only the best cleaned and bleached cotton. Unique needlepunching and subsequent manufacturing techniques makes the product easy to quilt, yet able to quilt up to 4 inches apart. Like other cottons, Heirloom Bleached cotton batting will shrink from 3-5%. If minimal shrinkage is desired , the product can be preshrunk prior to quilting. It is wonderful for hand or machine quilting; and is made especially for quilters using white or light colored fabrics.

HEIRLOOM 100% ORGANIC UNBLEACHED COTTON -For Hand or Machine Quilting

The cotton used in Heirloom Organic is completely devoid of pesticides, chemical fertilizers and defoliants. Further enhancing this pure organic cotton, Hobbs utilizes new needling equipment and a cotton cleaning process which produces a uniquely clean and environmentally friendly product. Unlike many of our competitors, we make all our own batting, enabling us to produce a product unmatched for quality at a lower price than competitive products. This product can be quilted up to 4 inches apart and quilts well by hand or machine. It will shrink approximately 3-5% like all 100% cottons.

HEIRLOOM PREMIUM-COTTON BLEND-For Hand or Machine Quilters

Heirloom cotton batting was created at the request of Harriet Hargrave to meet the needs of quilters. It is the only unbleached cotton batting that is easy to quilt by hand or machine and can be quilted up to 4" apart. Heirloom cotton batting shrinks 3-5%, and can be preshrunk to minimize undesired shrinkage. It is very clean cotton mixed with 20% polyester, lightly needlepunched and lightly resinated. The result is a dream batting for the quilter who has been looking for GREAT COTTON BATTING. There are no limitations for this product and it has more loft than the typical cotton batt, which gives more definition to the stitch than other 100% cottons.

HEIRLOOM 80/20 BLACK COTTON-For Dark Colored Quilts

Heirloom 80/20 black cotton batting is made with the same formula as Heirloom 80/20 Premium above only we substitute black cotton and black polyester. Quilters should find it quilts about the same, shrinks about the same 3% and can be quilted up to 4" apart by hand or machine.

HEIRLOOM 80/20 BLEACHED COTTON-For White or Light Colored Quilts

Heirloom 80/20 bleached cotton batting is made with the same formula as Heirloom 80/20 Premium cotton only we substitute bleached (white) cotton for the unbleached cotton used in Heirloom Premium. Quilters should find it quilts the same, shrinks about 3% and can be quilted up to 4" apart by hand or machine.

HEIRLOOM FUSIBLE-COTTON BLEND-Iron On Batting-Fusible Both Sides

Heirloom fusible cotton blend is made the same as the Heirloom Premium above. The difference is we add a fusible chemical to the resin which makes it fuse to your fabrics

when ironed. You may iron both top and bottom at the same time. Should you get a wrinkle you can peel it loose and reattach. When washed the iron on chemical washes out the first time it is washed. Everything else is the same as Heirloom Premium.

HEIRLOOM WASHABLE WOOL-Resin Bonded, Outstanding Hand Quilting

Natural fibers have become more popular each year and Heirloom cottons and wool batting are part of the reason. Hobbs has put together magnificent washable wool with the leading bonding process to make the finest wool batting in the world. As a natural fiber, wool is more absorptive than any other fiber. It breathes and acts as a natural insulator; helping to maintain a comfortable temperature, summer or winter. Wool is exceptionally easy to quilt by hand or machine and can be quilted up to 4 inches apart. Heirloom wool probably beards less than any wool in the world and is resin bonded to provide resistance to fiber migration. However, quilters should test wool or white polyester battings for fiber migration if black or extremely dark colors are to be used in the project.

THERMORE-Ultra Thin, Non-Bearding Batting- Fine Hand or Machine Quilting

About the time quilters starting asking Hobbs for batting for clothing, we were working with a firm in another country introducing a product for the skiwear industry. We decided that perfect product to answer the need for quilters would be a very thin version of a product we called Thermore. Thermore was developed as a thin, drapable, migration free polyester batt. Thermore is now considered the "PREMIUM" polyester batting for clothing, miniatures, and any other project where a thin, nonbearding batting is desired. Thermore can be quilted up to 6-8 inches apart and is wonderful for hand or machine quilting. The product is patented and unique in the batting assortment.

POLYDOWN-Resin Bonded, Siliconized Polyester Fibers-Ultra Soft

Utilizing Siliconized fibers and the latest bonding techniques, Hobbs is proud to offer Polydown, the ULTIMATE POLYESTER QUILT BATT. Polydown is made from the finest small denier fiber, for the ultimate feel & comfort. The Siliconized fibers are easier to quilt and more washable than competitive products, thus eliciting comments from quilters like "Polydown quilts like quilting through butter". Polydown is the only resin bonded, Siliconized polyester batting in the world! Polydown can be quilted up to 4-6 inches apart, is washable, quilts magnificently by hand and can be quilted by machine. Though Polydown is resin bonded to resist fiber migration, bearding could be visible on black or extremely dark fabrics. We recommend Heirloom cotton, Thermore, or Polydown-Dk with black fabrics.

POLYDOWN-DK- Resin Bonded, Black Polyester

Subsequent to the introduction of Polydown, we were asked why nobody made a dark batting to be used with dark colored fabrics. Since we already made a dark product for our industrial customers, we decided to make a dark batt utilizing the Siliconized fibers similar to the fiber used in Polydown. Polydown-Dk is produced to be used with dark colored fabrics if quilter desires more loft than a cotton batting provides. It can be quilted up to 4-6 inches apart, is very washable, and can be quilted by hand or machine.

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