FILE NAME: Asten Hill (AH)

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DOCUMENT DESCRIPTION: Product Info

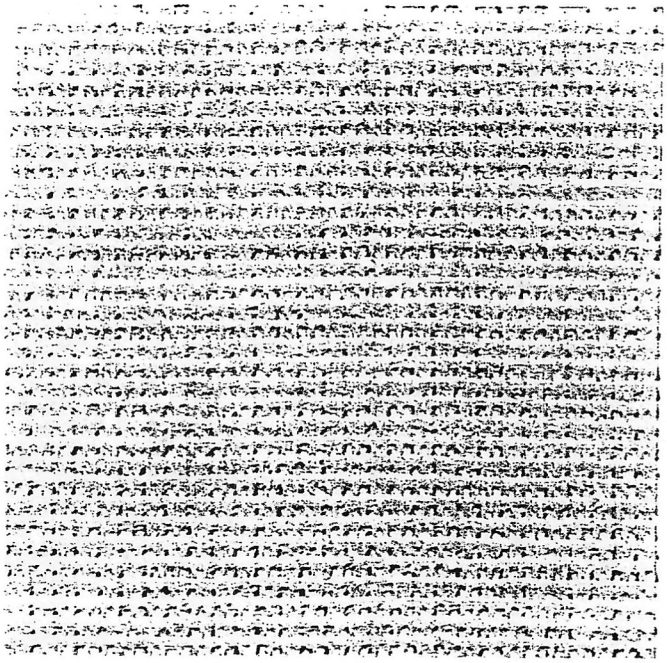
ASTEN

Product Applications Information

VENTMESH 975-R

Features

Combination synthetic, asbestos open-mesh fabric. Machine direction yarns are a combination of polyester and acrylic multifilament. Three plies of wire-reinforced asbestos yarn are used in the cross machine direction to provide resistance to wrinkling and narrowing. Fabric is resin treated after weaving to lower absorbency and increase stiffness. Synthetic blend of polyester/acrylic in the machine direction provides excellent dimensional stability in hot/moist conditions.

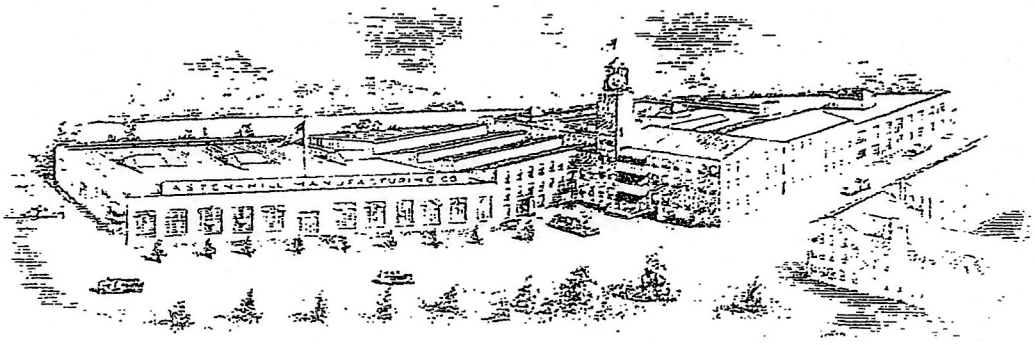


PLAINTIFF'S EXHIBIT
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Applications

Fabric has wide application on fine paper, newsprint, and some linerboard machines. Combination polyester/acrylic warp provides good hydrolysis resistance in most positions. Ventmesh has a wide permeability range making it compatible with all pocket ventilation systems. Rugged 3 ply construction permits the fabric to withstand adverse machine conditions, such as dryer wraps and minor misalignment. Fabric has excellent machine direction dimensional stability and is recommended for wet end positions. Severe hydrolysis positions should be avoided.

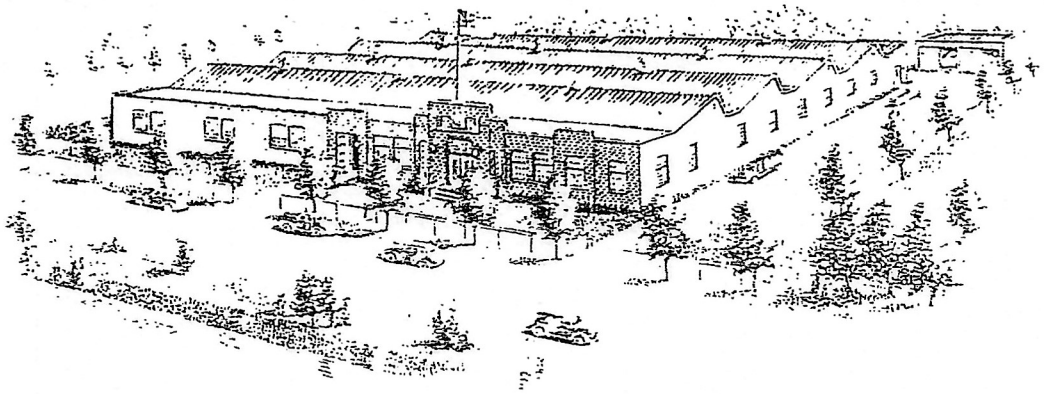
CONFIDENTIAL- In Re: Bickham, et al. v. Met Life, et al.



RAW ASBESTOS to FINISHED FELT

Asten Felts made entirely in our Modern Plants

Long fibre asbestos rock mined in Canada is shipped to us in bulk, in a raw, fibrous condition. Here it is carded and spun into a specially designed asbestos yarn. Our looms weave the asbestos and cotton yarns into the unique Asten Felt as described on page 24. After the felts are woven to the correct width and length, they are pre-shrunk and stretched on giant machines. All our machinery for the manufacture of yarn, looms for weaving the fabric, and the pre-shrinking and stretching machines were specially designed to accomplish the desired result.



FACTS

The Asten Dryer Felt is the original patented asbestos dryer felt. It is used in a majority of the paper mills in Canada and the United States. This acceptance of Asten Dryer Felts, our only product, has made us the "World's Largest Producer of Dryer Felts."

FEATURES

The Asten Dryer Felt provides full protection from the heat of the dryers by means of a complete asbestos surface on the sheet side of the felt. This is illustrated by the photograph on the cover of this folder, which was made from a piece of Asten Felt with the two layers specially separated on the loom, since the felt actually is a complete, integral fabric and the layers cannot be separated by hand or come apart in service. . . Note that every thread in both directions (warp and weft) in the top layer is made of asbestos which, of course, cannot burn.

CHARACTERISTICS

Reports from users of Asten Dryer Felts, together with independent laboratory tests, assure us that Asten's are more porous than any other dryer felt on the market. Asbestos is more absorbent than cotton, therefore, since absorbency picks up the moisture from the sheet and porosity lets the moisture escape through the felt, the unique construction of the Asten Dryer Felt provides efficient drying as well as long life. Various weaves and weights of Asten Dryer Felts assure these characteristics under different operating conditions. . . Asten Dryer Felts are pre-shrunk and stretched, thus they will not narrow or lengthen on the machine. Ample elasticity is retained to provide sufficient "give" and "take" in the felt, so that it will run snugly over the dryer face.

ADVANTAGES

The advantages of Asten Dryer Felts naturally vary, depending on mill conditions, therefore, the following is a summary of results obtained by various mills: (1) Low cost per ton of paper dried; (2) Long life; (3) Fewer felt changes; (4) Run better with less attention; (5) Better finish; (6) Improved cockle conditions; (7) More even drying; (8) Increased production; (9) Steam saving.

APPLICATIONS

Asten Dryer Felts are being used in all positions on machines of all widths and speeds and in mills making practically every grade of paper, including fine photographic paper, rag book, bond, ledger, tissue, glassine, kraft, wrapping, board and news. From this it is apparent that the economies and benefits from Asten Dryer Felts are not confined to any specific class of paper or machine.

INSTALLATION

Asten Dryer Felts can be joined with any type of seam that you are accustomed to using, i. e., sewing, riveting, gluing, or any combination of these methods. In addition, since Asten Dryer Felts will not lengthen on the machine, they can be joined by means of the Hill Patented Clipper Seam or they can be supplied woven Endless.

CLIPPER SEAM—Separate pieces of fabric containing clipper hooks are attached across the ends of the inside of the felt, away from the sheet. The seam is made by meshing the two ends and inserting a wire through these intermeshing clipper hooks. This makes a secure and even seam which is quickly and easily installed. The top or sheet side of the felt, next to the dryers, becomes practically an endless surface.

ENDLESS FELT—Threads are so carefully woven together that it is practically impossible to detect the splice, thus all chance of even the slightest seam mark is eliminated. The methods used in weaving the ends together make the splice as strong as any other part of the felt, thus there is no danger of the splice coming apart on the machine.