

CELLULOFT[®]

BY PRECISION TEXTILES
A DIVISION OF PRECISION CUSTOM COATINGS, LLC

This product is the High Loft Rayon Quilting Fiber used with all Bowles' quilted fabrics. On panels, it is layered between the fabric and foam as shown in the bottom right image. On borders, it is layered between the fabric and quilt backing.



MADE FROM WOOD PULP, A COMPOSTABLE CELLULOSE-BASED RAW MATERIAL, LARGELY TAKEN FROM TREES GROWN SPECIFICALLY FOR PRODUCING ITS FIBERS; INHERENT FR RAYON IS ENVIRONMENTALLY-FRIENDLY, SAFE AND EFFECTIVE

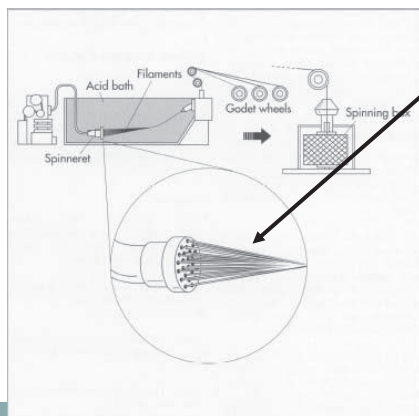
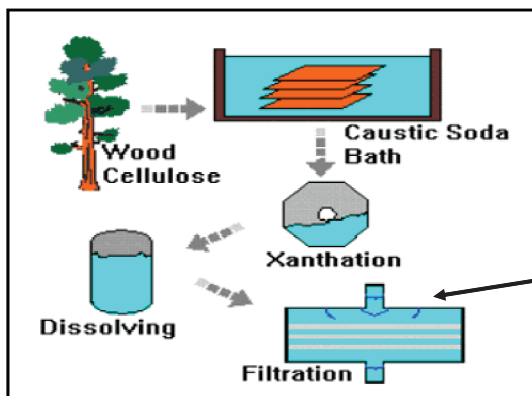
- CONSIDERED A NATURAL PRODUCT BY THE U.S. TRADE COMMISSION
- CONSISTENT WITH OTHER NATURAL FIBERS (SILK, WOOL, COTTON, LINEN ETC.)
- NO THERMOPLASTIC, PETROLEUM-BASED SYNTHETIC NYLON OR POLYESTER
- FREE OF CARCINOGENIC CHEMICALS, GASES, TOXINS, HCN, HCl, AND BROMINE
- EXCEPTIONAL DRAPE AND SMOOTH SURFACE WITH A SOFT, SILKY FEEL
- CFR 1633 COMPLIANT - EFFECTIVELY PREVENTS FLAMES FROM MATTRESS PENETRATION



Precision Flame Protection

PFP High Loft Quilting Fiber

- Silica Filled Rayon Fiber is used because it is an inherent FR Fiber barrier versus topically treated, which can lose its effectiveness with use. Also it is safe, natural, and environmentally friendly.
- Inherent, meaning that the Silica is put into the rayon fiber (highly absorbent) at the time it is made so it is permanently within each fiber.
- This FR Fiber is used in the border and top panel as a layer right underneath the ticking, encapsulating the sleeping system, protecting it from the open flame and minimizing heat transfer.



- Viscose (also called rayon) is produced by treating wood pulp (fibers) from trees to make it dissolve in water.
- This liquid solution is called spin dope.
- Sodium silicate (also called water glass) is added to the spin dope to make fire retardant viscose.
- The spin dope is pumped through a spinneret into a special bath that converts the spin dope back into a solid strand.
- These strands are gathered into a bundle, washed, cut into 2 inch lengths, dried and put into bales very similar to bales of cotton.
- PCC takes the FR viscose, cards or combs it into a web and binds it to make the FR batting or FR barrier.

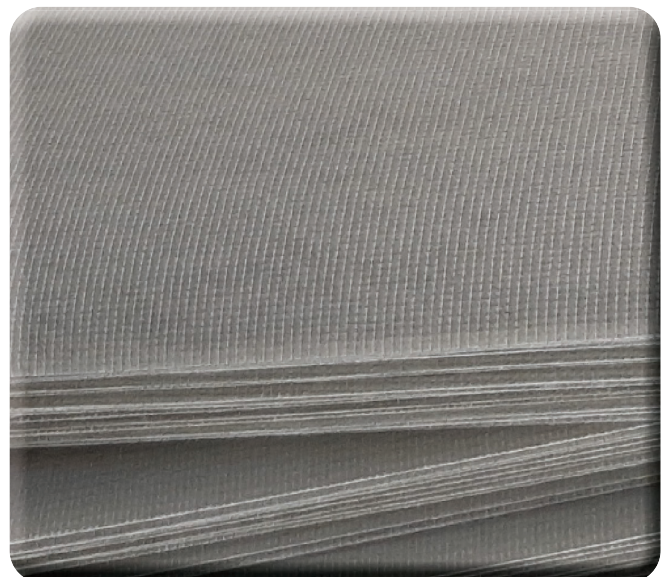
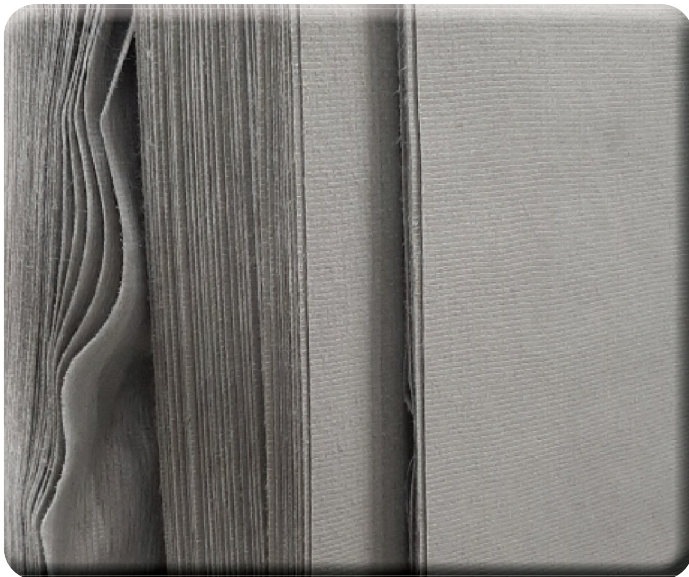
ENDURE IFR

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ENDURE-IFR Filler Cloth - Inherent FR Rayon with Carbondraft - is used with the following Bowles' unquilted fabric applications: On the bottom of no-flip mattresses, on the tops of foundations, and as the fabric covering on bunk boards.

- An Easy-to-Sew Material which leaves no build-up on sewing needles. does not scuff or mark in manufacturing machinery
- Seamguard™ Technology protects against hole formation at the seams.
- Treatment-Free Inherent FR Rayon with a 25-30% lower thermal transfer value
- No shrinkage of FR filler when exposed to heat or flame
- CARBONGRAFT® Carbon Reinforcement Technology prevents cracking under heat.
- Nano-Clay and Silica for Dual-function Thermal Barrier properties
- Superior flame protection in comparison to traditional FR products





PRECISION

FLAME PROTECTION



WHAT IS CLOISITE NA+ (BENTONITE CLAY)?

PRODUCT DATA

Composition

CLOISITE NA+ is a natural bentonite.

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.



Recommended Use

CLOISITE NA+ is an additive for plastics and rubber to improve various physical properties, such as reinforcement, CLTE, synergistic flame retardant and barrier.

CLOISITE NA+ is a bentonite. Bentonites are all-natural clays which have been used throughout history as a safe, natural method of detoxification. Recently, healing clays like Bentonite Clay have been rediscovered & have gained popularity for their ability to absorb & remove toxins, heavy metals, impurities, and chemicals. Additionally, it has been found to be beneficial in helping with skin & allergy issues.

Bentonite Clay is composed of aged volcanic ash. The name comes from the largest known deposit of Bentonite Clay located in Fort Benton, Wyoming. It is natural, completely hypoallergenic & can also be safely ingested or applied directly to skin.

- ALL NATURAL
- HYPOALLERGENIC
- CHEMICAL FREE
- NON-TOXIC
- NATURAL DETOXIFICANT

