



Dear Customer,

Thank you for your recent purchase of our specialty spunbond nonwoven nylon fabric. Cerex Advanced Fabrics, Inc. understands your desire for quality and we recognize your commitment to producing the best product for your customers using the highest quality spunbond nonwoven fabric available in the market today.

Although you may already be familiar with using nylon fabrics, we consider it our responsibility to assist you in any way we can to ensure you are 100% satisfied with our products. As you may already know, nylon is one of the strongest and toughest polymers available and exhibits attributes such as high strength, excellent abrasion resistance, high temperature performance and a wide range of chemical compatibility that make it different from other synthetic polymers. Nylon is also hydrophilic and can absorb small amounts of moisture (*a maximum of 6% by weight*) very quickly from the surrounding environment. As a result, web handling and processing of nylon spunbond fabrics often requires different techniques to process effectively.

Typically, as relative humidity changes in the environment around the nylon spunbond roll, the roll may become looser (*humidity is higher than originally made*) or the roll may tighten (*humidity is lower than originally made*). This can happen during transportation, in storage, and even during processing. This change in fabric tension can cause the roll to form gauge bands or localized folds in the machine direction of the fabric. Normally these bands do not negatively impact the functional attributes of the fabric and can be mitigated with simple web handling techniques.

First, we recommend that the nylon spunbond fabric roll be “pre-conditioned” to the converting area environment by unwrapping the roll and allowing it to equilibrate to area conditions prior to use. Secondly, our nylon fabric is much stronger compared to other spunbond fabrics and can tolerate much greater tension during the rewinding and converting process. We recommend adjusting tension settings on the unwind section of your process as a second step in reducing the impact of the gauge bands. Finally, we also recommend the use of cross-web spreading devices to aid fabric spreading just prior to converting.

There are a number of commercially available cross-web spreading technologies that have proven to be effective in processing our spunbond fabrics. The attached page outlines several of these spreading technologies. We recommend you contact the manufacturer of the spreading system to discuss the best way to utilize their technologies and obtain the best results in your process.

These recommendations are based on general best practices of the web handling industry, and have helped to achieve higher throughput and yields for both CEREX and our customers. If you are experiencing processing problems with our high quality spunbond fabrics, we want to help you solve these problems and encourage you to contact our Technical Manager, Mr. James Hodge at (850) 937- 3323 for further assistance.

Cross Web Spreading Equipment Options

Nip Type Spreader Rollers



Manufacturer: Converter Accessory Corporation (800-433-2413)

Uses: Effective for spreading material and adding good cross-web tension. We utilize these on our rewinder machines at CEREX.

Mount Hope bowed rollers



Manufacturer: Xerium (go to www.xerium.com to find your local rep)

Uses: Very good spreading and most effective technology on nylon products, especially in continuous applications. CEREX utilizes several of these types of rolls in the production and winding of our materials.

Rubber Covered Spreading rollers (Wrinkle-Stop® Anti-Wrinkle rolls)



Manufacturer: Converter Accessory Corporation (800-433-2413)

Uses: Good spreading without use of a bowed roll.

Scroll Type Spreader Rolls



Manufacturers: Converter Accessory Corporation (800-433-2413)
American Roller Company (262-878-8665)

Uses: Gentle spreading where you may have minor wrinkling or gauge bands.