

STRETCH AND RECOVERY NONWOVENS



Established in 1843, Hollingsworth & Vose Company is a global leader in the supply of technically advanced nonwoven and specialty papers used in electronics, battery, filtration, and industrial applications. H&V drives value in customers' products by inventing next-generation materials with superior performance. The company operates manufacturing sites and research centers in the Americas, Europe, and Asia.

For elasticity with excellent performance and value, specify stretch and recovery nonwovens from Hollingsworth & Vose. These innovative nonwoven fabrics provide many of the recovery characteristics of woven elastics.

Development engineers and manufacturing managers can utilize these superior nonwovens across a wide variety of products. In industries such as apparel, medical, and personal care, these materials can be applied as:

- Apparel waistband canvas and knit-like stretch interlinings
- Medical tapes and wraps
- Stretch nonwoven wound dressings
- Waistbands and high-stretch side panels for adult and baby disposable diapers

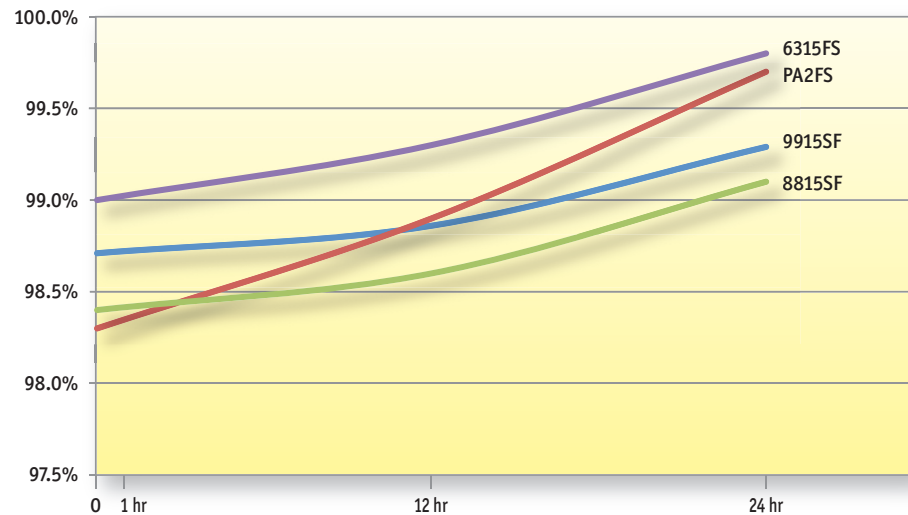
... and more!

Our unique, proprietary design allows us to reduce undesirable characteristics such as necking (midsection narrowing) and elastic breakdown, while engineering in the exact amounts of stretch, recovery, and breathability required.

Product Advantages

- Competitive pricing — significantly less expensive than woven elastics or film laminates
- Controlled stretch — from 3% to 40%, according to application specifications
- Immediate recovery to 98% of length
- Excellent long-term performance
- Can be produced from 100% synthetic fiber fabrics or natural and synthetic fiber blends
- Ability for controlled degree of firm or soft "hand"
- Minimal necking, unlike woven elastics
- Comfortable breathability, unlike films
- No stiff elastomeric fibers or binders
- Minimal shrinkage after laundering
- Wide range of weights — from 2 to 5 ounces per square yard (70 to 170 grams per square meter)

Recovery Over Time



Examples: Four different H&V nonwovens are subjected to a 10% stretch and hold over 24 hours, with these resulting excellent recovery curves.

H&V Advantages

- **Innovative design.** H&V is an industry leader in research and development. For example, in 2004 we produced the apparel industry's first nonwoven stretch waistband canvas. What can we innovate for you?
- **Global reach plus local presence.** H&V maintains manufacturing and research centers on several continents — plus sales and service convenient to a number of industrial centers worldwide. You get local production and service, combined with dependable, consistent material formulations on a global basis.
- **Ready customization.** We can produce nonwovens that are tailor-made to your specific requirements. Let us collaborate to create the right materials for your job.



**Hollingsworth
& Vose**

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