

NATIONAL NONWOVENS

Manufacturing & Technical Capabilities

Processing

Web Forming: Air Laid
Carded Crossed Laid

Construction: Chemical Bond
Felted Wool
Needlepunch
Thermo Bond
Composites

Post Processing

Chemical Enhancement: Top Coat
Saturate
Wash
Dye

Mechanical Enhancement: Press
Calendar
Glaze
Singe
Laminate (Composite/Adhesive Web/Pressure Sensitive Film)

Customized Processing: Slitting (minimum 3/8")
Die Cut Shapes
Specialty Kit Assembly
Tow (finish treatment) and (Cut to requirements)
Special Packaging as required

Research and Development

- Scaled equipment to replicate production equipment
- Engineered designed fabric support (for containment and ballistic protection)
- Specialized Testing:
 - FAR25-853-A&B (vertical burn)
 - FAR25-856-A (radiant panel compliant)
 - Forced loading capability (drop tower)
 - B&K Impedance Tube Acoustical Analysis
 - Thermal Conductivity
- Research and Development of new products

Quality Control

- Controlled environment conditioning room ensures optimum quality
- Laboratory equipment to evaluate:
 - Weight
 - Thickness
 - Tensile Strength
 - Tear Strength
 - Thermal Stability
 - Wash & Dry Clean Resistance
 - Mullen Burst
 - Flame Resistance
 - Gurley Stiffness Tester
 - pH
 - Chemical Composition
 - Color Matching
 - Fiber Identification
 - Absorbency
 - Permeability
 - Analytical capability to analyze products for material content and construction

Leader in Innovative Technology & Solutions

Meeting diverse application challenges



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P.O. Box 150, Easthampton, MA 01027 • T: 800-333-3469 • F: 413-527-0456
E-mail: sales@nationalnonwovens.com • www.nationalnonwovens.com

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