

# 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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NONWOVENS**



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