NATIONAL NONWOVENNS
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
- Molded Acoustic Panels
- 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)
- Research and Development of new products

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

Quality Control

- Controlled environment conditioning room ensures optimum quality
- Laboratory equipment to evaluate:
  - Weight
  - Thickness - Variable load thickness measuring: Tensile Modulus, Young’s Modulus, Poisson’s Ratio, Surface Tension of Liquids, 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