

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
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