INTERMEDIATE NONWOVENS

TRAINING COURSE

Course Agenda

Day 1	Tuesday	
8:30 am 9:00 am 9:10 am 9:20 am	CONTINENTAL BREAKFAST INTRODUCTION WELCOME PROGRAM PREVIEW Video overview, nonwoven markets and product ap THE WORLD OF NONWOVENS "Hands-on" examination of nonwoven fabric and en means to illustrate the wide range of nonwoven usa ESTABLISHMENT OF "ANALYSIS TEAMS AND TASKS."	EDWARD THOMAS, INSTRUCTOR and see product samples as a
12:00 pm	LUNCH	INDA
1:00 pm	Nonwovens Technology Primer Edward Thomas, Instructor Definitions of nonwovens, short history of the technical evolution of the industry. Description of basic nonwoven manufacturing principles and systems. FIBER FUNDAMENTALS EDWARD THOMAS, INSTRUCTOR Generic types and characteristics, property comparisons, raw material-fabric property relationships.	
5:00 pm 6:00 pm	RECEPTION AND "ANALYSIS TEAM BONDING" ADJOURNMENT (evening on your own)	





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TRAINING COURSE

Day 2 Wednesday

8:30 am CONTINENTAL BREAKFAST INDA

Analysis Team Work and Discussion Session

9:00 am Web Forming Technologies — Drylaid Nonwovens

DAVE NELSON, INSTRUCTOR

Analysis of carding and staple fiber airlaid systems. Review of background, process

technologies and recent developments.

Web Forming Technologies - Wetlaid and Short Fiber Airlaid Nonwovens

EDWARD THOMAS, INSTRUCTOR

Development of wetlaid nonwovens based on paper technology. Unique characteristics of cellulose fibers in wetlaid technology. Development of short fiber airlaid nonwovens and comparison of short fiber airlaid nonwovens

technology with wetlaid nonwovens technology.

11:00 am Travel to Nonwovens Institute

11:30 am Nonwoven Institute Welcome Dave Nelson, Instructor

11:40 am Web Forming and Bonding Technologies - "Polymer to Fabric" Nonwovens

BEHNAM POURDEYHIMI, INSTRUCTOR

Basic principles associated with spunbond, meltblown and film-based nonwovens

and the polymers used in their production.

12:30 pm LUNCH Nonwovens Institute

1:15 pm Web Forming and Bonding Technologies (continued)

BEHNAM POURDEYHIMI, INSTRUCTOR

Systems for Spunlaced/ Hydro-entangled nonwovens.

3:00 pm Staple and Polymer Lab Discussion Steve Sharp/Dave Nelson

3:20 pm Staple and Polymer Lab Tours and Demonstrations

STEVE SHARP/DAVE NELSON

5:25 pm ADJOURNMENT (evening on your own)





INTERMEDIATE NONWOVENS

TRAINING COURSE

Day 3 Thursday

8:30 am Continental Breakfast INDA

Analysis Team Work and Discussion Session

9:00 am Web Bonding Technologies | Edward Thomas, Instructor

Mechanical bonding principles and systems.

Web Bonding Technologies II Edward Thomas, Instructor

Chemical and thermal bonding principles and systems.

Nonwoven Fabric Finishing & Converting Edward Thomas, Instructor

Principles, processes, and methods used to treat nonwoven fabrics to obtain

enhanced physical and aesthetic properties for specific end-use.

12:00 pm Travel to Nonwovens Institute

12:30 pm LUNCH Nonwovens Institute

1:15 pm Nonwoven Fabric Test Methods and Procedures

BEHNAM POURDEYHIMI, INSTRUCTOR

Overview of nonwoven test methods and standardization of test procedures.

3:00 pm Test Lab Tours and Demonstrations Amy Minton

5:25 pm ADJOURNMENT (evening on your own)

Day 4 Friday

8:00 am Continental Breakfast INDA

8:30 am Analysis Team Presentations Edward Thomas, Instructor

9:15 am Worldwide Nonwoven Statistics and Trends Brad Kalil, INDA

Overview of nonwoven fabric trends.

10:00 am FUTURE DIRECTIONS DAVE ROUSSE, INDA

DAVE NELSON, INSTRUCTOR

Projection of future applications and developments in manufacturing materials,

processes and products.

11:30 AM HOT ITEM UPDATE(S) JAMES E. LOFTUS, INDA

Discussion on the Flushability Threat

12:00 pm LUNCH INDA

12:45 pm Adjournment - Please exchange a complete evaluation form for your certificate.



