INTERMEDIATE NONWOVENS

TRAINING COURSE

Course Agenda

Day 1	Tuesday		
8:30 am	Continental Breakfast	INDA	
9:00 am	Introduction	DAVE ROUSSE, INDA	
9:10 am	Welcome	DAVE NELSON, NCSU	
9:20 am	Program Preview	EDWARD THOMAS, INSTRUCTOR	
	Video overview, nonwoven markets and product applications, information sources.		
	The World of Nonwovens	EDWARD THOMAS, INSTRUCTOR	
	"Hands-on" examination of nonwoven fabric and end-use product samples as a		
	means to illustrate the wide range of nonwoven usage.		
	Establishment of "Analysis Teams and Tasks."		
12:00 pm	LUNCH	INDA	
1:00 pm	Nonwovens Technology Primer	EDWARD THOMAS, INSTRUCTOR	
σο μπ	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	Reception and "Analysis Team Bonding"		
6:00 pm	Adjournment (EVENING ON YOUR OWN)		





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Day 2	Wednesday		
8:30 am	CONTINENTAL BREAKFAST	INDA	
9:00 am	Analysis Team Work and Discussion Session Web Forming Technologies — Drylaid Nonwovens		
9:00 am	WEB FORMING TECHNOLOGIES - DRYLAID NONWOVE	EDWARD THOMAS, INSTRUCTOR	
	Analysis of carding and staple fiber airlaid systems. Review of backgroutechnologies and recent developments.		
	Web Forming Technologies - Wetlaid and Shor	f 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 – "Poly Behna		
	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 Demonstrati	ons Steve Sharp/Dave Nelson	

Adjournment (EVENING ON YOUR OWN)



5:00 pm



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 I	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		
	Вени	am Pourdeyhimi, Instructor	
	Overview of nonwoven test methods and standardization of test procedures.		
3:00 pm 5:00 pm	TEST LAB TOURS AND DEMONSTRATIONS Adjournment (EVENING ON YOUR OWN)	DAVE NELSON	

Day 4 Friday

9:00 am	Continental Breakfast	INDA	
9:30 am	Analysis Team Presentations	EDWARD THOMAS, INSTRUCTOR	
	Hot Item Update(s)	JAMES E. LOFTUS, INDA	
	Discussion on the Flushability Threat		
	Worldwide Nonwoven Statistics and Tre	ends Brad Kalil, INDA	
	Overview of nonwoven fabric trends.		
12:00 pm	LUNCH	INDA	
12:45 pm	Future Directions	DAVE ROUSSE, INDA	
		Behnam Pourdeyhimi, Instructor	
	Projection of future applications and developments in manufacturing materials,		
	processes and products.		
2:30 pm	Adjournment - Please exchange a complete evaluation form for your certificate.		



