



Nonwovens advanced

SPUNBOND &
MELTBLOWN



CETI –
TOURCOING, FRANCE

A specialised technical deep dive for experienced professionals focused on spunmelt (polymer-to-web) technologies.

This expert-led workshop provides advanced insight into the impact of raw materials and process parameters on spunbond and meltblown lines. Designed for engineers, R&D managers, and operations leaders seeking to master process control and new product development.

ORGANISED BY



IN COOPERATION WITH





PROGRAMME & TIMING

DAY 1

08.30

Welcome to CETI

SPUNLAID PROCESS AND DEFINITION OVERVIEW

- Market statistics
- Introduction to different technologies
- Evaluation of the principal concepts of spunbond and meltblown
- Innovations on nonwovens fabrics

RAW MATERIALS AND POLYMER DEFINITION

- Polymers properties used in spunbond and meltblown fabrics
- Biopolymers – with a focus on polypropylene
- Preparation

SPUNBOND AND MELTBLOWN PROCESS

- Extrusion
- From spinning to web forming
- Main processes parameters (configuration, regulation, principles, speed)
- Installation and maintenance

12.30



Lunch break

13.30

SPUNBOND AND MELTBLOWN PROCESS (Continued)

BI-COMPONENT FIBRES (optional)

- Best matchmaker: main markets and recent applications
- Process concepts and developments
- Microfibres nonwovens

17.30



Wrap-up and end of the day

DAY 2

09.00

LIVE PROTOTYPING OF NONWOVENS FABRICS

TRIALS USING SPUNBOND PROCESS AND WEB BONDING TECHNOLOGY

- Select correct parameters and influence to meet product performance and attribute requirements
- Compare the main spunbond process parameters
- Analyse a nonwoven-based product and polymers

12.30



Lunch break

TRIALS USING MELTBLOWN PROCESS AND WEB BONDING TECHNOLOGY

- Select correct parameters and influence to meet product performance and attribute requirements
- Compare the main meltblown process parameters
- Analyse a nonwoven-based product and polymers

16.30

End of the course

FACT FILE

WHO SHOULD ATTEND?

Process Engineers, Product Managers, Raw Materials Managers, R&D Managers, QA Managers, as they are likely to be involved with producers, suppliers, converters and brand retailers within the industry.

COURSE INSTRUCTORS

Priscilla Arnould, R&D Project Manager.

Priscilla obtained a master's degree in Materials Chemistry, followed by a PhD in polymer chemistry between Bostik (Arkema) and CPE Lyon at the CP2M laboratory (Catalysis, Polymerization, Processes and Materials). After her PhD, she started working for Bostik and developed her expertise in polyurethane adhesive synthesis and formulation for a wide range of markets.

Julien Ritaine, Services Manager.

Julien obtained his higher technician diploma in plastics engineering 15 years ago. After starting his career at Onduclair, a manufacturer of PVC and polycarbonate sheets, he joined CETI in January 2012 for the installation and initial start-up of R&D lines.

Edouard Duliège, R&D Project Manager.

Edouard graduated from ESPCI Paris – PSL and afterwards went for a PhD in physical chemistry of polymers, at LCMD laboratory. He cofounded Kapsera, a startup developing an encapsulation process based on biopolymers, where he built expertise in formulation and process scale-up. He then worked for Sweetech Energy, a company developing an energy technology, where he honed his skills in polymers process scale-up.

LANGUAGE

The course language is exclusively in English.

METHODOLOGY

A course based on the combination of in-person training, information exchange and interaction with the CETI instructors and fellow participants. Use of different supports: video, pictures, samples, pilot line.

NUMBERS OF PARTICIPANTS

Each course is limited to 6 participants for optimal interaction between the participants and the CETI staff during the course and the workshop on the platform in operation.

LEVEL OF THE COURSE

In order to fully benefit from this course, it is recommended to have a good understanding of nonwovens manufacturing. It is also recommended to attend the Nonwovens Essentials course before joining any of the advanced courses.

VENUE

CETI

41 rue des Métissages
F-59200 Tourcoing
(25 min by car from Lille city centre)

ACCOMMODATION

A list of recommended hotels is available on the EDANA webpage.

REGISTRATION FEE

Visit the EDANA website for more information about the registration fees. EDANA members benefit from a discounted rate.

For further information,
please contact:
Anaëlle Schütz
anaelle.schutz@edana.org

For more information
about EDANA,
please visit our website:
www.edana.org