Nonwovens advanced

SPUNBOND / MELTBLOWN

CETI | FRANCE

The nonwovens learning cycle

Keep abreast of developments in the manufacture, conversion and applications of nonwovens
The Nonwovens Learning Cycle™, organised in collaboration with CETI, offers an integrated approach to nonwovens from the basics, via intermediate, to advanced courses in Carding and Spunmelt.

ORGANISED BY

edana
The voice of NONWOVENS

IN COOPERATION WITH

Ceti
TRANSFORMATIVE TEXTILES

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PROGRAMME & TIMING

DAY 1

8.30

Welcome to CETI

SPUNLAID PROCESS AND DEFINITION OVERVIEW
- Market Statistics
- Introduction to differents 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 – and focus PP
- Preparation

SPUNBOND AND MELTBLOWN PROCESS
- Extrusion
- From the spinning to the 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 match maker: Main markets and recent applications
- Process concepts and developments
- Microfibers 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
- Learn to select the correct parameters and influence to meet product performance and attribute requirements
- Comparison of the main Spunbond parameters process
- Analyse a nonwoven-based product and polymers

12.30 **Lunch break**

TRIALS USING MELTBLOWN PROCESS AND WEB BONDING TECHNOLOGY
- Learn to select the correct parameters and influence to meet product performance and attribute requirements
- Comparison of the main Meltblown parameters process
- Analyse a nonwoven-based product and polymers

16.30 **End of the course**

This programme is subject to alterations

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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 ORGANISER

This course is part of the *Nonwovens Learning Cycle*™ jointly developed by EDANA and CETI.

COURSE TRAINERS

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. In her current role at CETI, Priscilla manages private and collaborative projects on textile recycling, polymer functionalization, polymer rheology, filaments and nonwoven development through melt spinning, spunbond, and meltblown technologies.

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. Now a Services Manager, he leads a team of technicians and operators, overseeing the implementation of private and collaborative R&D projects as well as industrial audits. He is also a trainer in advanced spunbond and meltblown technologies in the field of nonwovens.

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 Sweetch Energy, a company developing an energy technology, where he honed his skills in polymers process scale-up. In his current role as Senior Engineer at CETI, he manages private and collaborative projects on textile recycling, polymer functionalization, polymer rheology, filaments and nonwoven development through melt spinning, spunbond, and meltblown technologies.

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

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

PLEASE NOTE
EDANA reserves the right to change or cancel this Training Programme

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LANGUAGE
The course language is exclusively in English.

METHODOLOGY
A course based on the combination of class room training, information exchange and interaction with the R&D engineer and technicians. Use of different supports: video, pictures, samples, pilot line.

NUMBERS OF PARTICIPANTS
Each course is limited to 6 delegates 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 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 Center)

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

REGISTRATION FEE
The registration of all courses in The Nonwovens Learning Cycle™ is handled by EDANA.

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

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