Nonwovens essentials

BRUSSELS

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

PROGRAMME & TIMING

DAY 1

Registration on the 1st day opens at 8.30
Each day the course starts at 9.00 and finishes at 17.00

09.00

Introduction and welcome
Welcome from EDANA, introductions of trainers and delegates

INTRODUCTION OF NONWOVENS
Definition and applications of Nonwovens, review of the overall programme

10.30

Coffee break

WEB FORMING TECHNOLOGIES
Overview of background, process concepts and recent developments

DRYLAID NONWOVENS
Carding and long fibre airlaid, including fibre characterisation and fibre opening

12.30

Lunch

WETLAID AND SHORT FIBRE AIRLAID
Development of wetlaid nonwovens from paper technology,
comparison with short fibre airlaid

15.00

Coffee break

WEB FORMING TECHNOLOGIES – POLYMER TO WEB
Evaluation of the principal concepts of spunlaid, meltblown, and submicron spinning

17.30

Wrap-up & end of the day

This programme
is subject to alterations

PROGRAMME & TIMING

DAY 2

09.00

WEB CONSOLIDATION TECHNOLOGIES
Overview of background, process concepts and developments in bonding technologies

CHEMICAL BONDING
Binders used

THERMAL BONDING
Calendering, through-air

10.30 **Coffee break**

MECHANICAL BONDING
Needlepunch, hydroentanglement

FINISHING
Winding, slitting, post treatments

12.30 **Lunch**

RAW MATERIALS FOR NONWOVENS
Overview of fibres and fibre classification, properties of different fibres
Choice of fibres in relation to product characteristics
Introduction of different polymers used for 'in situ' fibre production
Additives for special properties

15.00 **Coffee break**

NONWOVEN TEST METHODS
Introduction of the Nonwoven Standard Procedures (NWSP)

NONWOVEN MARKET
Presentation of the latest available EDANA Statistics

GROUP EXERCISE
Analyse a nonwoven-based product

DAY 3

09.00

Departure to R&D pilot plant by bus
Visit to CETI (Centre Européen des Textiles Innovants) in Tourcoing (France)

10.30

Tour at CETI
The visit will allow the participants to actually see most of the production technologies which have been explained during the course

13.00 **Lunch**

14.30

End of the visit and departure
Arrival at Brussels Airport around 16.30
Arrival at EDANA offices around 17.00

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FACT FILE

WHO SHOULD ATTEND?
Both technical and marketing persons will benefit from attending this course as they are likely to be involved with producers, suppliers, converters and retailers within the industry.

COURSE ORGANISER
This course is organised by EDANA. The association is sponsor of INDEX, the world's largest nonwovens exhibition. EDANA has over 300 member companies in 35 countries.

COURSE TRAINERS
Marines Lagemaat, Scientific and Technical Affairs Director at EDANA, will host the course and deliver it together with external expert **Olivier Guichon**, Consultant Nonwoven Process Expert at RH Solutions.

LANGUAGE
The course language is English. The trainers make extensive use of visual aids, videos and samples. Active participation is encouraged from all delegates.

NUMBERS
Each course is limited to around 20 delegates.

VENUE
The course takes place at EDANA, Avenue des Nerviens 85, 1040 Brussels, Belgium, if a minimum number of 10 participants is reached.

ACCOMMODATION
EDANA will provide hotel recommendations after registration.

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

CERTIFICATE
After completing the training course, delegates are invited to take a short examination. If reaching the success target, they receive a unique qualification certificate.

For further information, please contact:
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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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