

>> Coperion know-how at your disposal: Online Seminars on Process Technology in 2021 for Polyolefin Compounding

COURSE OBJECTIVES

- To provide process engineers and operation supervisors with an understanding of the fundamental and practical aspects of the design and operating mode of a ZSK twin screw compounder
- To update knowledge in the field of Polyolefin Compounding

LANGUAGE

All courses will be held in English if there is no other predefinition.



DATES AND LOCATION

SESSION 1

September 28-30, 2021

split in 3 parts with 3 hours each
8-11 am (Central European Time)

MS Teams via Coperion GmbH,
Stuttgart, Germany

Participants get access to this Coperion
training channel via MS Teams after PO

SEMINAR FEE

EUR 1.330,- per trainee. This price will be
charged plus VAT.

ATTENDEES WILL RECEIVE

- Coloured Coperion textbook PROCESS TRAINING in Polyolefin Compounding in PDF
- Certificate upon completion of the course (PDF)

INDIVIDUAL SEMINARS

In addition to the regularly scheduled classes,
courses can be held.

Training contents can be modified according to
your objectives. Having discussed your needs
we work out a customized training schedule
and pricing for you.

>> Content. Seminar on Process Technology for Polyolefin Compounding

DAY 1

- Basic process knowledge in the field of compounding engineering plastics
- Self cleaning screw profile of twin screw extruders
- Development of the ZSK twin screw extruders
- Screw elements: layout and definitions
- Working principle of screw elements
- Compounding plants and comparison of different extruder systems
- Process sections inside of the ZSK
 - Feeding
 - Melting
 - Degassing
 - Metering
 - Screw tip design

DAY 2

- Materials for different applications
- Screen changer
- Melt Pump
- Pelletizer
- Plant layout
 - Compounding and Pelletizing of Polyolefin
 - Compounding of Bimodal Polyethylene
 - Pelletizing of Polymer Melts
 - Devolization of Polymer Solutions

- Process variables
 - Specific energy influence of rate and screw speed
 - Motor load (torque)
 - Temperature profile: influence of the various operating parameters

DAY 3

- Latest Coperion developments and insights in the field of
 - polyolefin compounding
- Scale-up
 - Methods to design a compounding line
 - Product properties
 - Interlock sequence
 - Specific energy
 - Melt temperature
- Trouble shooting
 - Operating window
 - Analysis of rate limitations
 - Torque limitations
 - Melting limitations
 - Vent limitations
 - Feed limitations
 - Pressure limitations

CONTACT INFORMATION

For more information about Coperion's seminars please contact:

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