

Introduction to Blown Film Extrusion Seminar Overview



Day 1

- An Introduction to Blown Film Extrusion
- Extrusion Fundamentals Overview
 - Safety
 - Hardware Systems
 - Inside the Extruder
- Blown Film Materials
 - Polymer Overview
 - Rheology
 - Film Properties

1st Day Workshop

Blown Film Safety, Machine Orientation, Setup/Operation for a monolayer structure with 2 components

Day 2

- Blown Film Hardware
 - Equipment
 - Bubble Geometry
 - Cooling
 - Line Control
- Blown Film Processing
 - Bubble Geometry vs. Process Variables
 - Simulator Exercise I
 - Process/Structure/Property Relationships
 - Simulator Exercise II

2nd Day Workshop

Oscillating Nip Setup and Benefits, Handling Job Transitions, and the “Thinnest Film” Competition

Day 3

- Troubleshooting
 - Extruder Problems
 - Film Problems
- Co-extrusion
 - Dies
 - Applications
 - Interfacial Instability

Quality/Variation

Third Day Workshop:

Running and transitioning coex structures including property testing of two structures with swapped core and skin layers