

McConnell Heavy Gauge Thermoforming Workshop Outlines
2018 SPE Thermoforming Conference
Monday, September 24
Fort Worth Convention Center, Fort Worth, Texas

Robert Browning and Don Hylton of the McConnell Company will present:

8 a.m.-12 Noon

Thermoforming 101

Robert Browning, McConnell Company

Due to requests from prior workshop attendees, the morning session will concentrate on “Thermoforming 101” - the basics required for successful thermoforming, including the 10 Fundamentals of Thermoforming.

Material Testing and its Relationship to Thermoforming

Don Hylton, McConnell Company

This presentation is designed to provide a basic understanding of basic material testing and its application to thermoforming, sheet extrusion, and part formation. It will provide an overview of ASTM and other laboratory tests, the specific material properties tested and how they relate to thermoforming, and the role testing plays in quality management, troubleshooting and manufacturing.

- Review of the Standard Data Sheet
- Explanation of standard laboratory tests (ASTM, ISO, etc.)
- What specific material properties are tested
- How the test is conducted

1 p.m.-5 p.m.

Design vs. Engineering vs. Manufacturing

Robert Browning, McConnell Company

How to convert a concept to a finished thermoformed part. Topics discussed will include design parameters, materials, forming techniques, modifications, and project management.

Material Testing and Its Relationship to Thermoforming

Don Hylton, McConnell Company

An understanding of the applicability of tests and how they relate to thermoforming
An explanation of material properties that are essential for thermoforming
Recommended tests for sheet quality and consistency