

Thin Wall Barrier Packaging

Receive training from the pioneers in plastic package development. PTI has more than 30 years of experience in helping major brand owners develop, test and commercialize plastic containers.

Training Course

The rigid plastic container industry is growing each year. It already covers a wide range of applications, from single-serve cups to multi use containers. Thanks to its ease of production processes, plastic packaging is the choice for new products or for conversion from other packaging materials. It is highly driven by light-weighting, sustainability and product differentiation. But the real challenge comes with the barrier performances for such packages, in particular when applied for conversion of metal and glass.

This course provides up-to-date information on barrier rigid plastic container technologies. It covers material chemistry, production processes with lab experiment and practical testing. Plus opportunities to discuss your specific applications and questions.



Course dates

June 13-14, 2017

Registration fee

1800€ per attendee*

* Fee includes registration, course material, refreshments, lunch and Tuesday evening dinner.

Course location

PTI-Europe

Y-PARC - Swiss Technopole

Rue Galilée 15

CH-1400 Yverdon-les-Bains, Switzerland

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PLASTIC TECHNOLOGIES, INC.

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Course Outline

Material properties

- polyolefins, PS, PET

Basics on injection molding

- co-injection
- over-molding

Basics of thermoforming

- in and off line extrusion
- multi-layers

Specialties for added barrier performance:

- coating
- in mold labeling (IML)

Injection molding practice in PTI-E lab

- includes IML

Fundamentals of package design

- for injection process
- for thermoforming process

Packaging permeation essentials

Barrier performance testing

- package test with vision system
- permeation equipment review

Product / package interaction

Overview of sealing technologies

- heat-seal
- induction
- ultrasonic

Key drivers for cost analysis

Course dates

June 13-14, 2017

Registration fee

1,800€ per attendee

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