

# PACKAGING MATERIALS FOR PACKAGING PROFESSIONALS

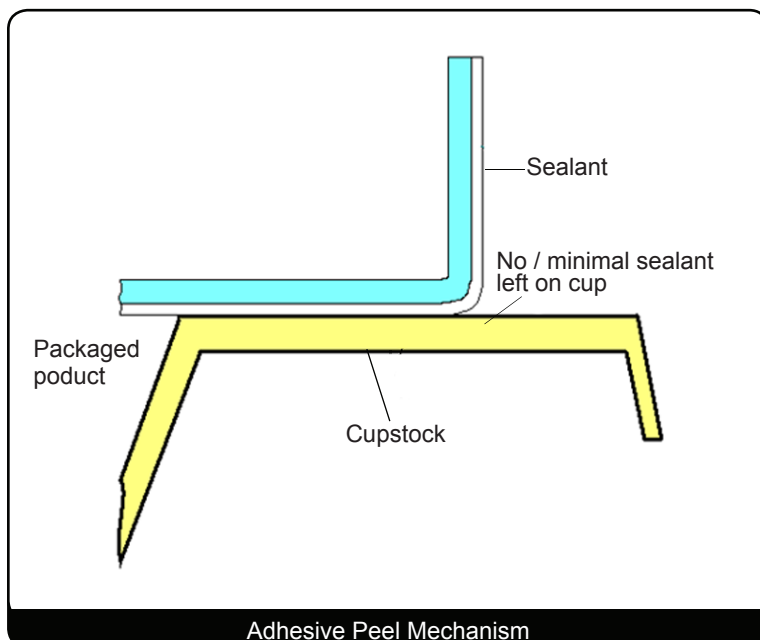
A Two Day Technical Seminar

## About the Seminar

This seminar is designed to give packaging industry professionals a sound understanding of the science and applications of various packaging materials. An understanding of the underlying principles of materials science is beneficial when performing troubleshooting of packaging problems and in development of packaging. This two day seminar covers fundamental concepts of materials science and then applies that to common packaging materials, such as plastics, metals, papers and composites.

## Who Should Attend

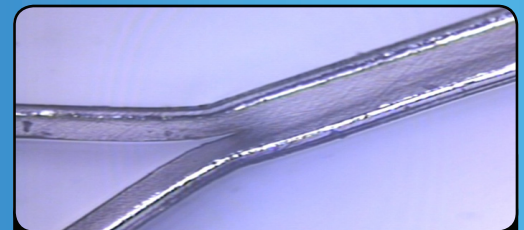
Any personnel in the R&D, testing, process, design, fabrication and manufacturing of food, pharmaceutical, medical, cosmetic, chemical, veterinary or industrial product packaging who lack formal training in materials science can benefit from this unique course. Packaging, film and foil personnel will also benefit.



Adhesive Peel Mechanism

## Benefits

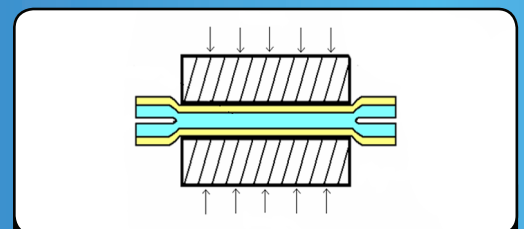
- ❖ Learn how the physics and chemistry of materials impact their properties and packaging performance
- ❖ Learn the fundamental make-up of plastics, metals, glass and papers
- ❖ Learn about important packaging property classes such as strength, optical, thermal and permeability
- ❖ Learn about how materials get selected in the packaging marketplace



Sealing Photomicrograph

## Course Concepts

- ❖ Bonding, atomic structure and morphology
- ❖ Mixtures, solutions and alloys
- ❖ Phases and phase diagrams
- ❖ Defects and failures
- ❖ Properties of major materials
- ❖ Processing of major materials



Schematic of Pressure-Induced Flow During Sealing