

WEEK 1 TOPICS OVERVIEW

Monday

Why laminations are made

- Flexible packaging versus other types of packages (glass, cans etc.)
- Different substrates offer different features

Substrates

- Manufacturing
 - Properties
 - How to identify
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Tuesday

Adhesives

- Defined (safety, adhesion/cohesion etc.)
- Technologies (solventbased, solventfree, waterbased)
- Handling (mixing, data sheet review etc.)

Dosing units

- Basics | → Cautions | → Do's and don'ts

Practical training, group work

Solventfree adhesives

- Lamination with different coating weights
 - Lamination with different mix ratios
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Wednesday

Test methods (bondstrength, sealstrength, COF, etc.)

Failure mode analysis | troubleshooting – overview

Practical training | group work:

Solventbased adhesives

- Batch card
 - Lamination different solids, on/off ratio
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Thursday

Troubleshooting, details

Practical testing of laminates made from days 2 and 3

Friday

Presentation of groups' work

Summary, review, plan for week 2