

# Laminating Adhesives for Digitally Printed Flexible Packaging

## Purelam™ A9500/B9240 solvent-free laminating adhesive

Purelam A9500/B9240 solvent-free polyurethane laminating adhesive is used for digitally printed flexible packaging. It is recommended by the largest global digital equipment manufacturer and has the lowest aromatic amine migration on the market today.

### Technology and Compliance

- Solvent-free aromatic polyurethane; ultra-low aromatic amine migration
- 21 CFR177.1395 compliant up to temperatures of 100°C (FDA Conditions of Use B-H)
- Suitable for the vast majority of food types

### Superior Performance

- Excellent bonds for both clear and metalized films
- High line speeds - > 1,300 fpm with no misting
- Outstanding barrier-to-barrier performance
- Fast curing:
  - For adhesive bond: as soon as 1 day
  - For migration safety: 2 days on 3 mil LLDPE/4 days on 1 mil LLDPE

### Efficiencies and Convenience

- "All-in-one" adhesive – eliminates the need to change adhesive
- Lower cost-in-use (no ovens or incinerators, smaller equipment footprint)
- Excellent machineability
- Easy clean up

## Solvester™ EA 2130-65 / 110 solvent-based laminating adhesive

Solvester EA 2130-65/110 polyester solvent-based resin crosslinked with isocyanates is recommended for food packaging and non-food applications.

### Technology and Compliance

- Chemically and compositionally complies with FDA regulations 21 CFR 175.105, CFR 177.1395 and 177.1390
- Recommended for high heat application such as retort or microwave applications

### Superior Performance

- Outstanding clarity of final laminates
- Can be applied at a wide range of solids (as high as 45 % solids)
- Excellent green bond / full cure bonds
- Fully cured in (under) 72 hours
- Very fast slitting and pouching (<4hrs after lamination). Certain structures can be slit in-line immediately.

### Efficiencies and Convenience

- Easy to clean
- Excellent pot life (>8 hrs)
- Excellent aggressive ingredient resistances
- UV stable (crosslinker specific)
- Non-yellowing; lawn bags, baby wipes, etc.
- Compatible with most Ethyl Acetate based laminating adhesives



## Purethane™ A-1090 / CCAT 104 water-based laminating adhesive crosslinker

Recommended by the largest global digital equipment manufacturer.

### Purethane A-1090 laminating adhesive

- Polyurethane and acrylic blend
- Excellent heat performance as required for thick gauge sealing films and zipper installations
- Performs well in freezer applications
- Better water resistance
- High stiffness adhesive
- High line speeds (up to 2,000 fpm)

### C CAT 104 crosslinker

- Epoxy functionality
- Disperses readily in Purethane adhesives
- Eight-hour pot-life with virtually no change in viscosity or performance
- Increases heat resistance for sealing pouches and zipper installation
- Increases humidity resistance and aggressive ingredient resistance

**Asia Pacific** — Shanghai, China  
Tel: +86 21 2402 4888

**Europe** — Barcelona, Spain  
Tel: +34 93 206 5120

**India** — Navi Mumbai  
Tel: 1 800 209 2475

**North America** — Dublin, Ohio  
Tel: +1 614 790 3361

**South America** —  
Araçariquama, Brazil  
Tel: +55 11 4136 6477  
[ashland.com/contact](http://ashland.com/contact)

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