

2007 GAA Pressroom Conference

Substrates, Film & Ink

Rely on us.

FlintGroup

Waterbase Gravure Inks on Film

- Introduction
 - History of Waterbase Gravure Inks
- Substrates
- Issues
 - Lay
 - Adhesion
 - Drying
 - Functional Properties
- Formulation
- Questions

Waterbase Gravure Inks on Film

- Substrates
 - Polyethylene
 - Polypropylene
 - Polyester
 - Nylon

Waterbase Gravure Inks on Film

- Ink Lay
 - Substrate Surface Energy
 - Corona Treat
 - Ink Surface Energy
 - Organic Solvent
 - Surfactants

Waterbase Gravure Inks on Film

- Ink Adhesion
 - No Absorption
 - Bonding of Polymer Layer
 - Film Additives
 - COF
 - Static
 - Anti-fog
 - Film Differences
 - Qualify ink to Substrate

Waterbase Gravure Inks on Film

- Drying
 - No Absorption
 - Heat
 - Heat of evaporation
 - Air Velocity
 - Impingement
 - Air Movement/Evacuation
 - Press Speed

Waterbase Gravure Inks on Film

- Drying
 - Modify Ink Drying
 - Organic Solvent
 - Resin Balance
 - Solution/Emulsion
 - Ammonia/Amines
 - Less Ink Film

Waterbase Gravure Inks on Film

- Functionality of the Ink
 - COF
 - Rub
 - Crinkle
 - Scratch

Waterbase Gravure Inks on Film

- Formulation
 - Polymers
 - Pigments
 - Amines
 - Solvents
 - Alcohol
 - Glycol Ether
 - Surfactants
 - Wax
 - Slip
 - Antifoam
 - Leveling Agents

Waterbase Gravure Inks on Film

- Questions