

Solutions for the Card Manufacturer

Variable Substrate Capabilities

▶ Substrates

- Polycarbonate
- PVC
- PLA
- Composed Films
- Coated and uncoated custom overlay materials

▶ Specs

- Maximum roll or sheet width
 - 29"
- Maximum roll length
 - 7,500 feet
- Thickness
 - 40 μm – 250 μm / 1.6 mil – 10 mil
- Core
 - 3" or 6"

Overlay Sheets and Rolls

- ▶ **Final product availability:**
 - **Roll form coated or uncoated**
 - Coatings available in water or solvent base
 - Product on 3" core, packaged and palletized
 - Produced to requested width for roll to roll lamination

 - **Sheet form coated or uncoated**
 - Coatings available in water or solvent base
 - Produced in 500 sheets packets, packaged and boxed
 - Produced to requested size for hot platen lamination

 - **Both products offered in biodegradable overlay**

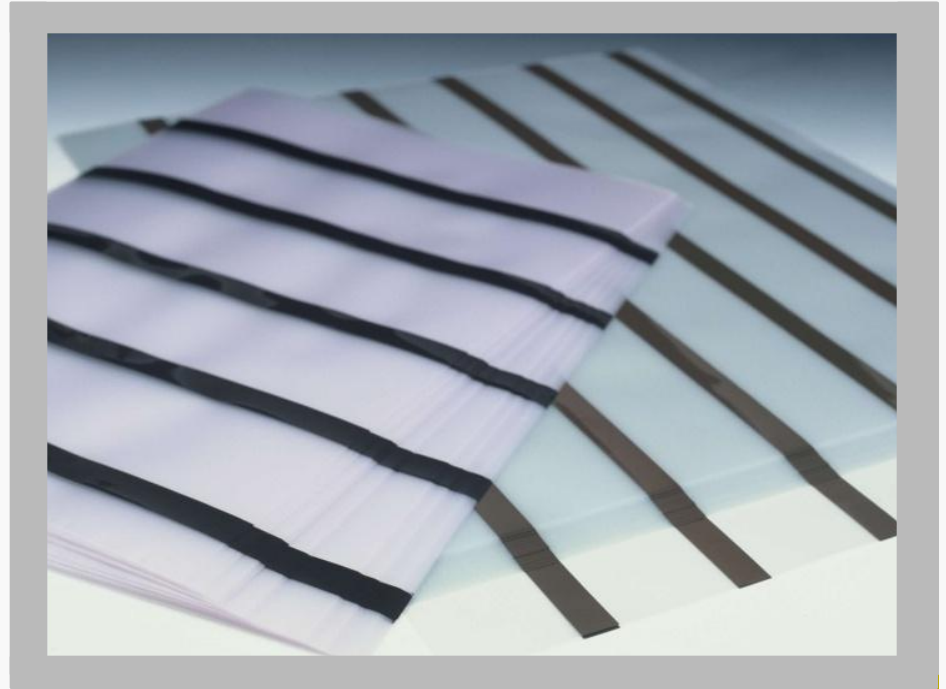


Film Capability

- ▶ **Film tested to perform on digital printed stock**
 - Rigid Vinyl
 - Clear Polyester
 - Foils
 - Bio-core stock
- ▶ **Film tested to perform on litho printed stock**
 - PVC based core
 - Polyester based core
 - Paper
 - Flexible plastics
- ▶ **Film also receptive to**
 - Thermal transfer
 - DOD (drop on demand)
 - Dye sublimation

Magnetic Band Coercivity

- ▶ **Hi-Co:**
 - 2750 Oe. – 4000 Oe. (standard)
 - Custom coercivity available upon request
 - 2 track / 3 track
- ▶ **Mid-Co:**
 - 660 Oe.
 - 2 track / 3 track
- ▶ **Lo-Co:**
 - 300 Oe.
 - 2 track / 3 track



Magnetic Bands Properties

▶ Colors

- All bands are offered in standard black and brown, colors are available upon request. Colors include blue, red, green, yellow, silver and gold

▶ Special designs

- Band is also offered with special designs such as holographic, brushed silver, color shifting and now also in white.

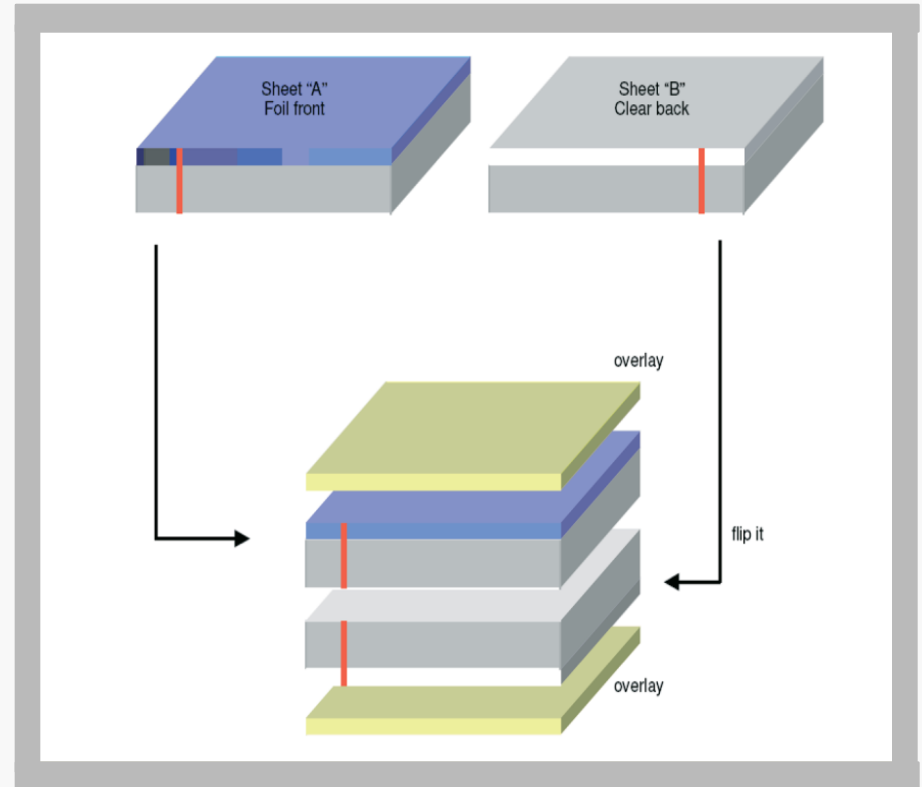
▶ Custom band

- Besides custom colors, the band can include personalized text, logos and images.
- The width of the band can also be custom. Width can vary from 6.4mm. to 16mm.

Foil Lam

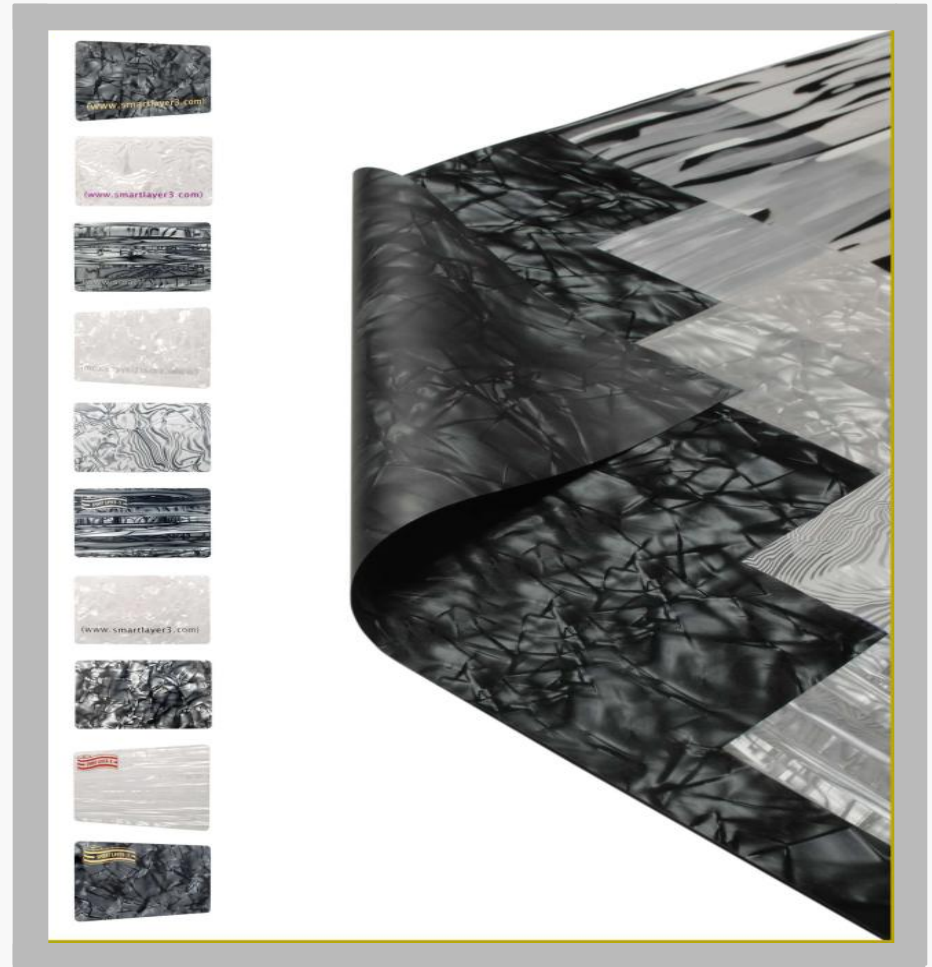
Foil Lam is a rigid PVC core laminated with metallic or holographic polyester, used in production of full-face foil cards.

Available in rainbow gold and silver, bright silver, brushed silver and other custom designs.



Deko-Smart

Deko-Smart is a PVC product innovatively created for chromatic, iridescent, and 3D visual effects. Deko-Smart is available in a variety of sizes as well as a flexible or rigid finish.



The Alchemy Plastic Value

At Alchemy Plastics Inc. we are proud to offer market tested solutions for the card manufacturer. Our products are tested and ready to be implemented in today's card market. Whether your company is in the financial transaction card, gift card or fidelity program card industry, our dedicated staff can point you in the right direction to find the correct product combination for your application and share their knowledge to guide you on every step of the way.

With collective experience of over 25 years in the card materials and manufacturing industry.

Headquartered in Centennial, Colorado and with offices in Europe and South America, logistics and long lead times are a problem of the past. We work closely with our clients to help plan annual production schedules, eliminating costly rush orders and freight—while providing peace of mind and helping clients achieve their goals the cost effective way while increasing their revenue.

Global Distribution & Sales Locations



▲ Sales

★ Sales & Distribution