



**tyco**

Electronics

# Introducing...



## Custom and Pre-Print Labels

### DESCRIPTION

- Tyco Electronics offers a wide range of products that outlast and perform in the most extreme indoor/outdoor conditions. Our focus is on supplying high quality materials and adhesives that meet or exceed industry standards. We specialize in custom and pre-print adhesive backed labels that support the needs of aerospace, electronics, rail, defense/ marine, industrial and medical markets. In addition, we offer a complete line of laser engraved labels and markers.

### KEY FEATURES

- Design or use existing customer specific logos, artwork and brand identification
- Color matching
- Custom shapes
- UL and CSA certified base materials
- Equipped to hold tight tolerances

### APPLICATIONS

- Labeling equipment
- General labeling
- Component traceability
- Company branding
- Product identification
- Part Identification
- Electronics

- Custom data to print: Static, sequential numbers, 2D data matrix and bar codes available
- High and low temperature materials
- Special adhesives
- Laminates available

## PRINTING TECHNOLOGIES

- Flexography Printing offers UV and water based curable inks which are excellent for all applications. This process is recommended for high volume runs. Cutting dies and screening plates are required for custom labels. Maximum six colors per label.
- Hot Foil Printing is a process of individually applying a very thin layer of ink via pad to various materials and substrates. Ink is dry to the touch immediately after printing takes place. Maximum three colors per label. Cutting dies and screening plates are necessary for custom requirements.
- Thermal Transfer Printing's easy to implement technology is ideal for bar code applications. Thermal transfer also supports the many special features that provide excellent bar code print quality. This portable printing system allows flexibility for long or short runs. Cutting dies required for custom shapes and sizes. Many resin ribbon colors available. Maximum one color per label.
- Laser Engraving provides outstanding mark permanence which is resistant to solvents, oils, abrasion, fuels and UV light on a variety of materials. This true indelible mark requires no secondary curing operations and product is ready to use immediately after marking.

## AVAILABLE MATERIALS

- **WP White Polyester**  
Thermal transfer printable white polyester film with permanent acrylic adhesive. Ideal for bar coding, PCB labeling and general purpose labeling that requires high durability. Resistant to a variety of solvents while maintaining print quality. Service temperature ratings are -40°C to +150°C [-40°F to +302°F]. UL and CSA certified.
- **CP Clear Polyester**  
Thermal transfer printable clear polyester film with permanent acrylic adhesive. High durability transparent label. Designed for component labeling, rating plates, equipment labels and general purpose labeling. Service temperature ratings are -40°C to +150°C [-40°F to +302°F].
- **MP Metalized Polyester**  
Thermal transfer printable metalized film with permanent acrylic adhesive. Designed to provide a metal look, such as name plates, equipment labels and serial number plates. Also excellent for bar code applications. Service temperature ratings are -40°C to 150°C [-40°F to +302°F]. UL and CSA certified.
- **WV White Vinyl**  
Thermal transfer printable flexible white vinyl film with permanent acrylic adhesive. Resistant to oil, mild solvents, water and outdoor exposure. Ideal for round, irregular and flexible surfaces. Service temperature ratings are -60°C to +95°C [-76°F to +203°F].
- **NC Nylon Cloth**  
Thermal transfer printable flexible nylon cloth with permanent acrylic adhesive, designed for application to irregular surfaces where conformability is required. Not recommended for outdoor use or immersion in liquid. Service temperature ratings are -40°C to +140°C [-40°F to +284°F].
- **C Vinyl Cloth**  
Dot matrix printable vinyl coated cloth material with permanent acrylic adhesive, designed for application to irregular surfaces where conformability is required. High material strength and special natural rubber adhesive provides suitability for both permanent and removable applications. Resistant to oil, water and several common fluids. Service temperature ratings are -29°C to +80°C [-20°F to +176°F].
- **Kapton® Polyimide Film Labels**  
Kapton® polyimide film labels are ideal for high temperature labeling requirements such as printed circuit boards. Suitable for direct wave (bottom side) and IR flow (top side) PCB applications. Designed to withstand fluxes, cleaning solvents and molten solder. These labels offer excellent contrast for bar code applications. Various colors available. UL Listed. Service temperature ratings are -40°C to +260°C [-40°F to +500°F].
- **Polyvinylfluoride (PVF)**  
Aerospace grade film with a printable film to enhance ink receptivity. Self extinguishing material with permanent acrylic adhesive. Ideal in a variety of harsh physical and chemical environments. Resistant to oil, water, cleaning agents and oil based solvents. Filters UV light. Service temperature ratings are -40°C to +130°C [-40°F to +266°F].
- **Tamper Evident Material**  
Destructible polyethylene labels with permanent acrylic adhesive, designed to fracture upon removal after 72 hours. Also available in a metalized polyester designed with a tamper proof feature that leaves a "void" footprint when the label is removed. Resistant to many fluids. Service temperature ratings are -40°C to +130°C [-40°F to +266°F] (Polyethylene) and -40°C to +150°C [-40°F to +302°F] (Metalized Polyester).
- **Permark 316 Stainless Steel Markers**  
Pre-marked to customer requirements. Stainless Steel markers are resistant to weather extremes and high levels of UV light. Resistant to corrosive marine and industrial atmospheres. The marking process is a permanent deep surface mark. Steel markers provide excellent character legibility. Service temperature ratings are -80°C to +500°C [-112°F to +932°F].
- **Polyolefin Cable Marker Tags**  
Flat, rigid, non-adhesive labels which are highly flame retardant. Easy installation. Resistant to abrasion, mechanical abuses, fluids, lubricants and solvents. Excellent print performance. Operating temperature range -55°C to +135°C [-67°F to +275°F].
- **Heat Shrink Markers and Sleeves**  
Durable flame retardant heat shrinkable polyolefin. Supplied in thin, flat "ladder" format. Various shrink ratios available. Permanent identification sleeves. Computer printable. Operating temperature range -55°C to +275°C [-67°F to +527°F].

## FOR MORE INFORMATION

Technical Support  
Internet: [www.tycoelectronics.com](http://www.tycoelectronics.com)  
E-mail:  
[newproducts@tycoelectronics.com](mailto:newproducts@tycoelectronics.com)

USA: 1-800-430-7226  
Germany: +49(0) 60 74-89 08 0  
Australia: +61-2-9840-8200  
France: +33(0) 4 76 09 99 34

Asia: +65(0)6482 0311  
Japan: +81(0)-44-900-5102  
UK: +44(0) 1793-528-171