

**General Description:**

This thermal transfer printable glossy white polyester label stock is designed for electronic PCB and component identification, bar code labels, rating plates, and solar panel identification. It features a glossy white finish and a permanent acrylic adhesive, graphic symbols, and logos. It features a glossy finish and a permanent acrylic adhesive, making it ideal for durable labeling applications

**PRODUCT SPECIFICATIONS:**



- **Print Technology:** Thermal Transfer
- **Material Type:** White Polyester
- **Finish:** Glossy White
- **Adhesive:** Permanent Acrylic

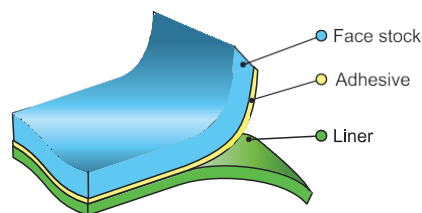
**APPLICATIONS:** This label stock is suitable for various applications including electronic PCB identification, bar code labeling, rating plates, and solar panel identification where high durability and clarity are required.

**PHYSICAL PROPERTIES:**

- **Adhesion to:**
  - **Stainless Steel:** 51 oz/inch (56 N/100 mm) after 20 minutes dwell, 57 oz/inch (62 N/100 mm) after 24 hours dwell
  - **Painted Enamel:** 51 oz/inch (56 N/100 mm) after 20 minutes dwell, 54 oz/inch (59 N/100 mm) after 24 hours dwell
  - **Textured ABS:** 10 oz/inch (10 N/100 mm) after 20 minutes dwell, 10 oz/inch (10 N/100 mm) after 24 hours dwell
  - **Polypropylene:** 36 oz/inch (40 N/100 mm) after 20 minutes dwell, 39 oz/inch (42 N/100 mm) after 24 hours dwell
  - **Polyester Powder Coated Paint:** 32 oz/inch (35 N/100 mm) after 20 minutes dwell, 43 oz/inch (47 N/100 mm) after 24 hours dwell
- **Thickness:**
  - **Substrate:** 0.002 inch (0.0508 mm)
  - **Adhesive:** 0.001 inch (0.0254 mm)
  - **Total (excluding liner):** 0.003 inch (0.0762 mm)
- **Tack:** 26 oz (800 g)
- **Dielectric Strength:** 8400 volts



# GLOSSY WHITE POLYESTER



## PERFORMANCE PROPERTIES:

- **High Service Temperature:** No visible effect to label at 110°C for 30 days; slight discoloration at 120°C; moderate discoloration at 145°C but label remains functional.
- **Low Service Temperature:** No visible effect after 30 days at -70°C.
- **Short Term High Service Temperature:** No visible effect to label at 180°C for 5 minutes; slight discoloration and shrinkage at 200°C, but label remains functional; becomes nonfunctional at 210°C due to shrinkage.
- **Humidity Resistance:** No visible effect after 30 days at 100°F (37°C) and 95% relative humidity.
- **UV Light Resistance:** No visible effect after 30 days in UV Sunlighter™ 100.
- **Weatherability:** No visible effect after 30 days in Xenon Arc Weatherometer.
- **Salt Fog Resistance:** No visible effect after 30 days in a 5% salt fog solution chamber.
- **Abrasion Resistance:** Print remains legible after 100 cycles with Taber Abraser, CS-10 grinding wheels, 250 g/arm.

**CHEMICAL RESISTANCE:** The label stock was tested against various chemicals, showing varying degrees of resistance. In general, it performed well with minimal effect under most conditions.



**SHELF LIFE:** Shelf life is two years from the date of receipt for this product when stored in its original packaging at or below 80°F (27°C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product.