



**General Description:**

This thermal transfer printable glossy clear polyester label stock is designed for high-quality applications such as rating and serial plates that utilize alphanumerics, barcodes, graphic symbols, and logos. It features a glossy finish and a permanent acrylic adhesive, making it ideal for nameplate quality applications.

**PRODUCT SPECIFICATIONS:**



- Print Technology: Thermal transfer
- Material Type: Clear polyester
- Finish: Glossy
- Adhesive: Permanent acrylic

**APPLICATIONS:** This label stock is recommended for use in applications that require durable and high-quality markings, such as rating plates and serial plates, where clarity and durability are essential.

**PHYSICAL PROPERTIES:**

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



**IDANIM**  
CREATIVE SOLUTIONS

**GLOSSY CLEAR POLYESTER**

- Tack: 26 oz (800 g)
- Dielectric Strength: 8400 volts

**PERFORMANCE PROPERTIES:**

- High Service Temperature: No visible effect to label at 100°C for 30 days; slight discoloration at 110°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 220°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:** Two years from the date of receipt when stored in original packaging at or below 80°F (27°C) and 60% RH.