

General Description:

: This thermal transfer printable matte white polyester label stock is designed for applications such as topside of printed circuit boards and rating plates that utilize high-quality/density alphanumeric, barcodes, and graphics. It features a matte finish and a permanent acrylic adhesive, ideal for durable labeling applications in various environments

PRODUCT SPECIFICATIONS:



Print Technology: Thermal Transfer

Material Type: White Polyester

Finish: Matte White

Adhesive: Permanent Acrylic

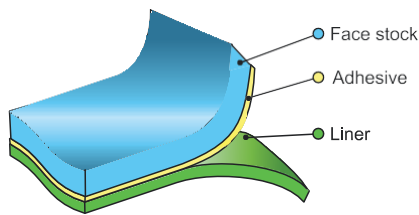
APPLICATIONS: This label stock is suitable for electronic PCB identification, bar code labeling, rating plates, and other applications where high durability and clarity are required.

PHYSICAL PROPERTIES:

- **Adhesion to:**
 - **Stainless Steel:** 44 oz/in (48 N/100 mm) after 20 minutes dwell, 49 oz/in (54 N/100 mm) after 24 hours dwell
 - **Polypropylene:** 31 oz/in (34 N/100 mm) after 20 minutes dwell, 43 oz/in (47 N/100 mm) after 24 hours dwell
- **Thickness:**
 - **Substrate:** 0.0023 inch (0.0584 mm)
 - **Adhesive:** 0.0008 inch (0.0203 mm)
 - **Total:** 0.0031 inch (0.0787 mm)
- **Tack:** 19 oz (526 g)
- **Tensile Strength and Elongation:** 44 lbs/in (765 N/100 mm), 90% (Machine Direction)



MATTE WHITE POLYESTER



PERFORMANCE PROPERTIES:

- **Short Term High Service Temperature:** No visible effect at 180°C for 5 minutes; label shrinkage at 210°C
- **Long Term High Service Temperature:** No visible effect at 100°C after 30 days; label yellowing at 120°C
- **Low Service Temperature:** No visible effect after 30 days at -40°F (-40°C)
- **Humidity Resistance:** No visible effect after 30 days at 100°F (37°C) and 95% relative humidity
- **UV Light Resistance:** Severe yellowing of topcoat after 30 days in UV Sunlighter™ 100
- **Weatherability:** Slight topcoat discoloration and chalking after 30 days in Xenon Arc Weatherometer; R4400 red print removed
- **Salt Fog Resistance:** No visible effect after 30 days in 5% salt fog solution chamber
- **Abrasion Resistance:** Print remains legible to: R4000= 30 cycles, R4900= 150 cycles, R6000= 300 cycles, R6000HF= 100 cycles, R4400= 100 cycles

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: : Product testing, customer feedback, and history of similar products support a customer performance expectation of at least two years from the date of receipt for this product when stored in its original packaging at an environment below 80°F (27°C) and 60% RH.