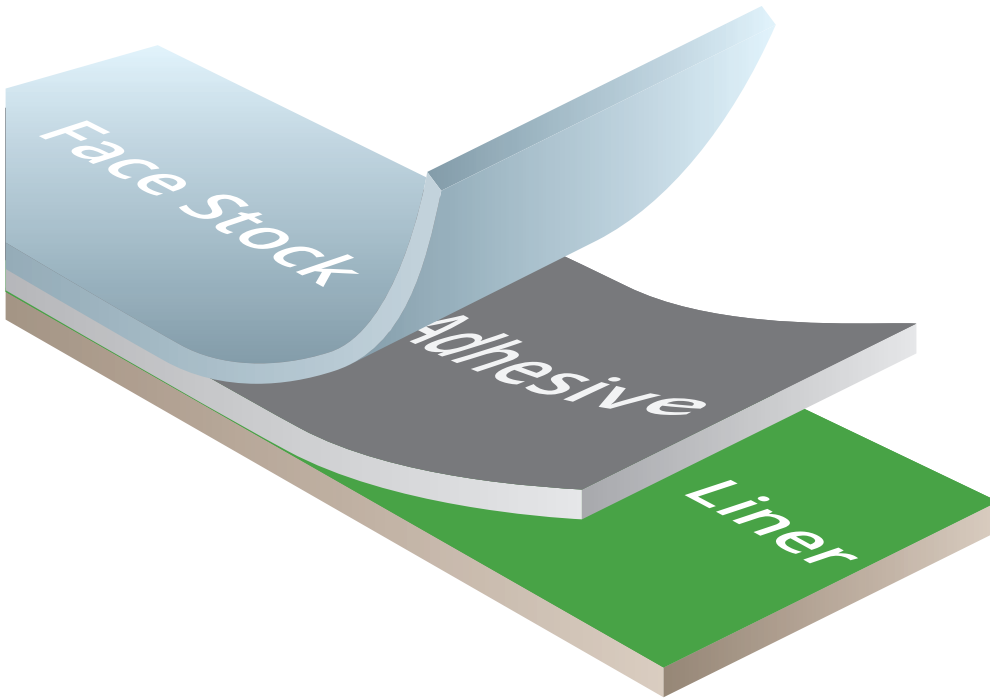


# TT404



## Labels for Life.



**Face Stock:** 2.7 mil topcoated gloss white polyimide offers excellent chemical resistance combined with superior resistance to high heat and scratching. The material is specifically designed to not shrink and to withstand through-hole and surface mount circuit board processes.

**Adhesive:** 2 mil high performance permanent acrylic adhesive offering excellent harsh chemical and high temperature resistance.

**Release Liner:** 55# glassine liner designed to offer excellent performance for manual application.

## Thermal Transfer Gloss White Polyimide Film

TT404 is designed for thermal transfer printing of variable information for circuit board labeling. This high performance label withstands multiple passes through inline and batch cleaning processes; as well as very good resistance to most fluxes. TT404 performs well through most lead and lead-free reflow processes.

## Typical Applications

Electronic component marking  
industrial barcodes  
Top and bottom sides of  
circuit boards.

## Typical Industry Sectors

Automotive  
Electronics  
Industrial



[www.identco.com](http://www.identco.com)

# TT404

Thermal Transfer Gloss White Polyimide Film



Labels for Life.

**Agency Recognitions**  
 100% RoHS Compliant  
 MIL-STD-202G, Notice 12, Method 215K  
 MIL-STD-883E, Notice 4, Method 2015.13

**Adhesion**  
**Stainless Steel**  
 20 minute dwell                      44 oz/in                      480 N/m  
 24 hour dwell                            82 oz/in                      900 N/m

**Material Caliper**

Face Stock	.0027"	68.6µ	Liner(glassine)	.0031"	78.7µ
Adhesive	.0020"	50.8µ	<b>Total Material</b>	<b>.0078"</b>	<b>198.1µ</b>

**Exterior Durability**  
 Recommended: Indoor use only

**Temperature Range**  
 Service Temperature: -40 °F to 500 °F (-40 °C to 260 °C)  
 Minimum Application Temperature: 50 °F (10 °C)

**Shelf Life**  
 Recommended Storage: 45-90 °F (7-32 °C) 20-75% R.H.  
 Shelf Life: 2 years @ recommended storage

**Recommended Ribbons**  
 TTRR-B TTRR-D  
 TTRR-V

**Chemical Resistance**  
 Samples subjected to 3 cycles of three minute immersions followed by a toothbrush rub after each immersion.

Chemical Reagent	Results
1 part IPA, 3 part Mineral Spirits	No visual effect
-1, 1, 1- Trichloroethane	Deleted per Notice 12
Terpene Defluxer	No visible effect
Saponifier	No visible effect

**Process Durability**

Process Test Method	PCS Read	Rate
Kyzen Corp. Aquanox SSA 30% aqueous, 40-45 °C, 10 minutes	100%	99%
Re-Entry KNI 2000 Terpene, 40-45 °C, 10 minutes	98%	100%
Alpha Metals Inc. EC-7R Terpene, 40-45 °C, 10 minutes	98%	100%
Alpha Metals Inc. 2110 Saponifer, 6% aqueous, 65-70 °C, 10 minutes	97%	100%
Isopropanol 99%, 82 °C, 10 minutes	99%	100%
Deionized Water, 100 °C, 10 minutes	99%	100%

Note: All values shown are averages and should not be used for specification purposes. Test data and test results contained in this document are for general information only and shall not be relied upon by IDENTCO customers for designs and specifications, or be relied on as meeting specific performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact IDENTCO for further information. Revised 7/18/2017.

**UNITED STATES HEADQUARTERS**  
 28164 W. Concrete Drive  
 Ingleside, IL 60041  
 Phone: +1 (815) 385 - 0011  
 Fax +1 (815) 385 - 0359

**MEXICO MONTERREY**  
 Carr. a Laredo Km. 16.5 Interior  
 14B, Col. Moisés Sáenz, 66613  
 Apodaca, Nuevo Leon  
 Phone: +52 (81) 8008 - 0438

**GERMANY FRANKFURT**  
 Güterbahnhofstrasse 3-7  
 63450 Hanau  
 Phone: +49 (6181) 440 830 - 0  
 Fax: +49 (6181) 440 830 - 99

**PRC HONG KONG**  
 Unit 1708, 17/F, 9 Wing Hong St.  
 Cheung Sha Wan, Kowloon  
 Phone: +852 2959 2156  
 Fax: +852 2959 2019

**MALAYSIA PENANG**  
 Suite 163E, Level 16, Room 1602  
 Hunza Tower Gurney Paragon  
 Jalan Kelawai, Georgetown  
 10250 Penang  
 Phone: +6012 466 - 0866