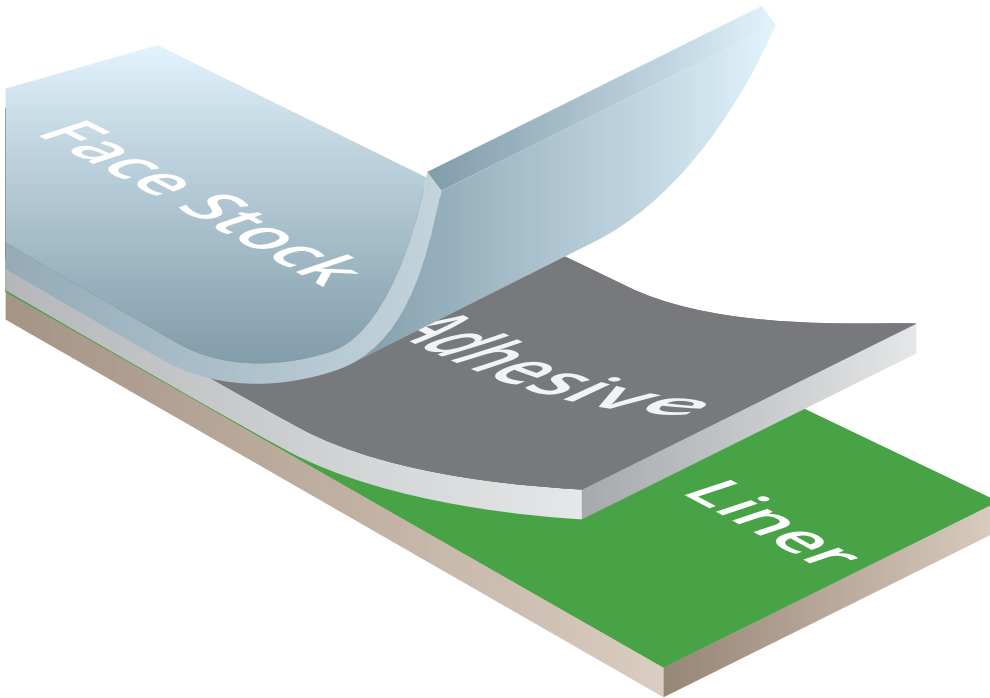


# TT402



## Labels for Life.



**Face Stock:** 2.7 mil topcoated gloss white polyimide offers excellent chemical resistance combined with superior resistance to organic fluxes. The material is specifically designed to withstand surface mount board processes, on either top or bottom sides of the board.

**Adhesive:** 2.0 mil high performance permanent acrylic adhesive offering excellent harsh chemical and high temperature resistance.

**Release Liner:** 55# glassine liner or a 1.5 mil polyester liner designed to offer excellent performance for both manual and automatic application.

## Thermal Transfer Gloss White Polyimide Film

TT402 is designed for best performance when using organic fluxes. Key features include: extreme temperature resistance, high performance adhesive, a durable topcoat, and resistance to bubbling and flaking. When used in combination with the recommended IDENTCO ribbon, it will meet the most demanding durable labeling requirements. Preheating of the label surface will enhance the performance and is recommended.

## Typical Applications

- Pipe and wire marking
- Warning labels
- Nameplates
- Curved surfaces and low energy plastics and painted metals.

## Typical Industry Sectors

- Automotive
- Electronics
- Industrial



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

# TT402

Thermal Transfer Gloss White Polyimide Film



Labels for Life.

**Agency Recognitions**  
100% RoHS Compliant  
UL-MH16873

**Adhesion**  
Stainless Steel  
20 minute dwell                      35 oz.in                      385 N/m  
24 hour dwell                              40 oz/in                      484 N/m

**Material Caliper**

Face Stock	.0027"	68.6µ	Liner(kraft/FL)	.0031/.0015"	778.7/38.1µ
Adhesive	.0020"	50.8µ	<b>Total Material</b>	<b>.0078/.0062"</b>	<b>198.1"/157.5µ</b>

**Exterior Durability**  
Weatherometer Test  
ASTM G154 No visible effect

**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-D

**Chemical Resistance**  
MIL-STD-202G. Notice 12, Method 215K

Solvent A - 1 part IPA, 3 parts mineral spirits	No effect
Solvent B - 1,1,1 Trichloroethane	Solvent deleted
Solvent C - Terpene Defluxer	No effect
Solvent D - Saponifier	No effect

**Process Durability**

	PCS	Read Rate
Control 70o C, 5 min	99%	100%
Kyzen Corp. Aquanox SSA 30% Aqueous, 70o C, 5 min	100%	99%
Re-Entry KNI 2000 Terpene, 70o C, 5 min	98%	100%
Alpha Metals Inc. EC-7R Terpene, 70o C, 5 min	98%	100%
Alpha Metals Inc. 2110 Saponifier 10% Aqueous, 70o C, 5 min	97%	100%
Isopropanol 99%, 70o C, 5 min	99%	100%
Kyzen XJN+, 30%, 70o C, 5 min	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 Kelawei, Georgetown  
10250 Penang  
Phone: +6012 466 - 0866