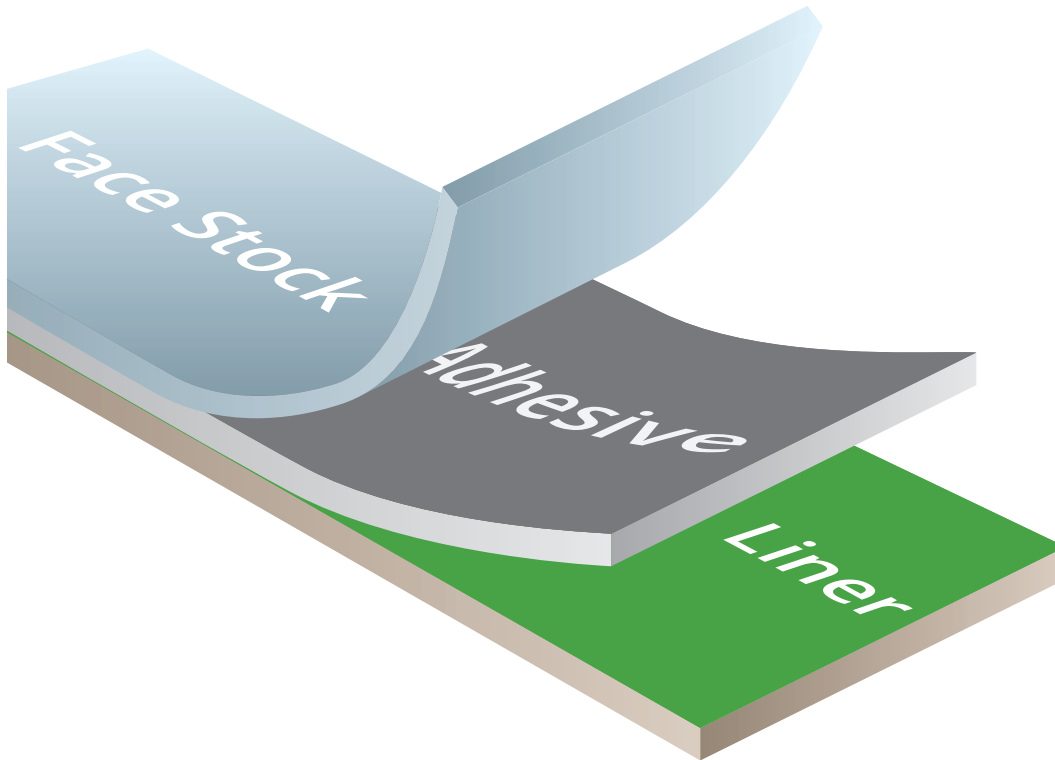


TT552GL



Labels for Life.



Face Stock: 2.1 mil topcoated gloss yellow polyimide offers excellent resistance to chemicals, heat and abrasion. It is specifically designed for marking electronic components and withstands surface mount and through-hole printed circuit board processes. Meets MIL-STD-202F with TTRR-D ribbon.

Adhesive: 2.0 mil high performance heavy duty permanent acrylic adhesive offering excellent chemical, heat and abrasion resistance.

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

Thermal Transfer Gloss Yellow Polyimide Film

TT552GL is designed for on demand thermal transfer printing of variable information. Key features include: indoor only applications, will not shrink, extremely durable, insulative and excellent smudge, solvent, heat and abrasion resistance. 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. Meets MIL-STD-202F with TTRR-D ribbon.

Typical Applications

- Industrial barcodes
- Top and bottom side of printed circuit boards
- Electronic components.

Typical Industry Sectors

- Automotive
- Electronics
- Industrial



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TT552GL

Thermal Transfer Gloss Yellow Polyimide Film



Labels for Life.

Agency Recognitions

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	
72 hour dwell	82 oz/in	900 N/m	

Material Caliper

Face Stock	.0021"	53.3μ	Liner(glassine)	.0031"	78.7μ
Adhesive	.0020"	50.8μ	Total Material	.0072"	182.9μ

Exterior Durability

Recommended: Indoor use only.

Temperature Range

Service Temperature: -40°F to 176°F (-40°C to 80°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-S
TTRR-D TTRR-V

Chemical Resistance

Test should be conducted at room temperature after 24 hour dwell. testing should consist of five cycles of 10 minute immersions in the specified chemical reagent followed by 30 minutes recovery periods. Cotton swab rub prior to final immersion.

Chemical Reagent	Label Stock (w/o Printing)	Printing (using TTRR-D ribbon)	Printing (Cotton swab rub)
Household Cleaners	No effect	No effect	No effect
Mild Acid	No effect	No effect	No effect
Oil	No effect	No effect	No effect
Water	No effect	No effect	No effect
1 part IPA, 1 part Mineral Spirits	No effect	No effect	No effect
Terpene Defluxer	No effect	No effect	No effect
Toluene	No effect	No effect	Print Removed
Sapnofier	No effect	No effect	No effect

Process Durability

Samples are printed with TTRR-D thermal transfer ribbon using ELP300 printer. Samples are exposed to indicated environments. Abrasion performance tested with 100 strokes of stainless steel ball with 300 gram load.

Process Test Method	PCS	Read Rate	PCS After Test	Read Rate After Test
Control 250°C, 5 minutes	99%	100%	99%	100%
KYZEN Aquanox SSA 30%, 40-50°C, 10 minutes	100%	99%	100%	100%
RE-ENTRY KNI 2000, Terpene, 40-50°C, 10 minutes	98%	100%	98%	100%
Alpha Metals Inc. EC-7R, Terpene, 40-50°C, 10 minutes	98%	100%	98%	100%
Alpha Metals Inc. 2110 Saponifer, 6% aqueous, 65-70°C, 10 minutes	97%	100%	97%	100%
Isopropanol 99%, 82°C, 10 minutes	99%	100%	99%	100%
Deionized Water, 100°C, 10 minutes	99%	100%	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 08/15/2017.

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