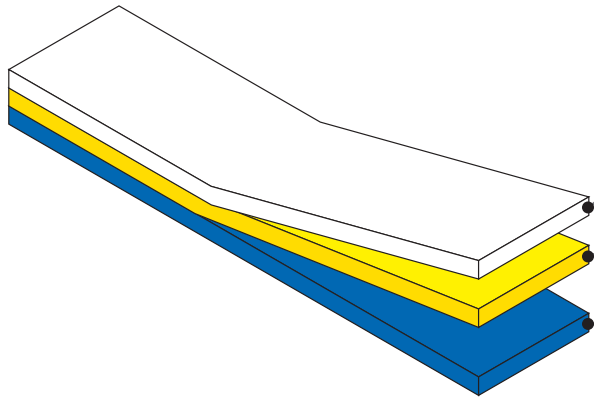




TECHNICAL DATA
TT411

Thermal Transfer Matte Tan Polyimide Film



Face Stock: 2.7 mil topcoated matte tan polyimide offers excellent high temperature and chemical resistance. Specifically designed to not shrink or smear during the high temperature exposure of the lead free solder process. Must be thermal transfer printed with IDENTCO TTRR-AK ribbon.

Adhesive: 2 mil high temperature 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.

Product Description:

TT411 is designed for on demand thermal transfer printing of variable information. Key features include: indoor only applications 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.

Typical Applications:

Electronic component marking and top and bottom sides of circuit boards.

Typical Industry Sectors:

Automotive, Electronics, Industrial.



Agency Recognitions

UL-MH16873/MH16225
RoHS Directive Compliant 2002/95/EC



Exterior Durability

Recommended: Indoor use only



Adhesion

Memory Chip		
20 minute dwell	16.7 oz/in	184 N/m
24 hour dwell	24.8 oz/in	273 N/m
Stainless Steel		
72 hour dwell	38.4 oz/in	198.1 N/m



Temperature Range

Service Temperature: -40°F to 572°F (-40°C to 300°C)
Minimum Application Temperature: 50°F (10°C)



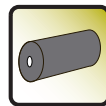
Material Caliper

○ Face Stock	.0027"	68.6μ
● Adhesive	.0020"	50.8μ
● Liner(glassine/FL)	.0031"/.0015"	78.7/38.1μ
Total Material	.0078"/.0062	198.1/157.5μ



Shelf Life

Recommended Storage: 70°F (21°C) 40-50% R.H.
Shelf Life: 2 years @ recommended storage



Recommended Ribbons

TTRR-AK UL



Chemical Resistance

Military Spec.
MIL-STD-202G, Method 215K
MIL-STD-883E, Notice 12, Method 2015.13

Meets Military Spec with TTRR-AK ribbon
Meets Military Spec with TTRR-AK ribbon



Building Relationships, Creating Value



TECHNICAL DATA

TT411



Process Durability

Process Test Method
Control
Zestron, 25°C, 5 minutes

PCS
99%
100%

Read Rate
100%
99%

Building Relationships, Creating Value