Armis
DURABLE LABELS

TT433

For PCB Manufacturers Who Demand Reliable Traceability

TT433 is the highest-performing product in the Electronics industry and single best solution for printed circuit board (PCB) applications.

High-temperature resistant, durable and thermal transfer printable, this label material is engineered for all PCB processes, including reflow, non-reflow and wave soldering for SMT assembly and through-hole applications. This product is designed to withstand multiple wash cycles and harsh detergents used in the PCB cleaning process.

TT433 delivers production-proof PCB traceability that survives extreme SMT environments, eliminating misreads, rework and quality issues. Available in formats as small as 3×3 mm, this product delivers quality serialization for every application.

IDENTCO

Features & Specifications

- Performs up to 260°C
- Withstands multiple wash cycles
- Chemical, smudge, scratch and fade resistant
- UL, cUL and PPAP approved
- 3×3 mm minimum size
- 600 dpi for small font printing
- High-contrast print
- Compatible with IDENTCO feeders, printers and applicators
- Drop-in solution for current manufacturing lines
- Custom die-cut options for unique board designs

Proven Performance

- Precise traceability throughout processes
- 99.9%+ scan accuracy with consistent print quality
- Enhanced material stability for zero shrinkage or distortion
- Manual or automatic application options
- Keeps production up and running
- Support available from our technical experts

The Durable Standard.

armislabels.com ■ 1 (815) 385-0011

Explore Our Complete Electronics Portfolio

PCB applications demand reliable traceability and our labeling solutions are engineered to deliver. Whether you are looking to maintain application identification and tracking, comply with global regulations and standards, ensure component identification or increase safety information visibility, our range of solutions will protect your operations, reputation and customers.

IDENTCO

Front-End Process Material Selection

These materials are optimized for placement at the start of SMT lines or at pick-and-place stations, where labels will be exposed to high heat and wash cycles.

Attributes	Polyimide				Masking	
	TT403	TT416	TT433	TT451	PT200	PT205HD
Performance						
High Temp Exposure, 220°C+	✓	✓	✓	✓	✓	✓
Wave Solder or Reflow Exposure	✓	✓	✓	✓	✓	✓
Common Chemical Wash	✓		✓	✓	✓	✓
Potent or Custom Chemical Wash			✓			
4 Wash Cycles	✓		✓	✓	✓	✓
10 Wash Cycles			✓			
Printability	✓	✓	✓	✓		
Compliance						
UL, cUL, PPAP	✓	✓	✓	✓	✓	✓
ESD				✓		
RoHS, WEEE, Reach	✓	✓	✓	✓	✓	✓
Mil-Aero	✓		✓	✓	✓	✓
Appearance						
Glossy / White	✓	✓	✓	✓		
Tan					✓	✓

End-of-Line & Back-End Assembly Material Selection

These materials are designed for post-process and back-end assembly lines, with low heat and no wash.

Attributes	Polyester							PP	Paper
	Circuit Board	Circuit Board & Enclosure		Enclosure					
	TT770	TT700	TT748	TT730	TT741	TT756	TT723	TT600	TT533
Performance									
Temp Exposure, 150°C	✓	✓	✓	✓	✓	✓	✓		
UV Exposure		✓	✓	✓	✓	✓	✓		
Household Cleaning Chemistry		✓	✓	✓	✓	✓	✓	✓	
Potent or Custom Chemical Wash									
4 or 10 Wash Cycles									
Abrasion Resistant	✓	✓	✓	✓	✓	✓	✓	✓	
Printability	✓	✓	✓	✓	✓	✓	✓	✓	✓
Compliance									
UL, cUL, PPAP	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESD	✓								
RoHS, WEEE, Reach	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mil-Aero	✓	✓							
Appearance									
Glossy / White	✓	✓				✓	✓	✓	
Matte / White			✓						✓
Glossy / Silver				✓					
Matte / Silver					✓				