



Performance and purpose, a perfect fit

Next generation polyimide labels for PCBA

In the PCB assembly process, the traceability of the PCB is vital. Clearly readable tags ensure that every batch of PCB can always be tracked. Avery Dennison's specially formulated label is ideally suited for tagging PCBs during manufacturing. The polyimide label helps the tag maintain its physical integrity, and its excellent heat-resistant topcoat ensures that the tag is legible after the extreme temperatures of soldering.

High performance should not translate to high costs, and this is where Avery Dennison truly delivers.

Fit-for-purpose PCB tracking labels that help you stay on track

The full Avery Dennison portfolio of polyimide labelstocks delivers value and flexibility throughout the PCB supply chain. Our new 1 mil polyimides thrive under the extreme temperatures of today's lead-free soldering (as high as 500°F/260°C, continuously for 5 minutes). In addition, Avery Dennison polyimide labels exhibit superior resistance to highly corrosive solvents and all the other demanding conditions of PCBA.

Engineered to withstand heat, solvents and chemicals

Avery Dennison polyimide labels are able to withstand process conditions in typical PCB assemblies (reflow oven, wave soldering baths):

- Resistance against high temperatures (up to 260°C, continuously for 5 minutes)
- Resistance against solvents and chemicals (cleaning after soldering process and depends on market segments)



The maximum temperature requirement of most PCB soldering processes is from 240 to 260°C depending on different applications of end products, while many PCB tracking labels in the market are over-engineered. Our extensive fit-for-purpose polyimides portfolio fully addresses the challenges of PCB labeling.



Facestocks

Avery Dennison polyimide facestocks and topcoats are engineered components, matched to deliver high performance in demanding applications. Our special high temperature resistance topcoating is optimized to provide high density barcode with superior chemical resistance and excellent scratch resistance, which make the barcode label maintain traceable after soldering process.

- 1 Mil Gloss White PI TC
- 1 Mil Matte White PI TC

Release liners

Avery Dennison BG50# (80 gsm) glassine liner is highly engineered for precision die cutting and dispensing.

Adhesives

S8088 adhesive is a solvent acrylic adhesive specially formulated to withstand high and ultra-high temperatures, corrosive solvents and high UV radiation.

Thermal transfer printing

Avery Dennison polyimide labels are optimized for thermal transfer printing with ribbons from a variety of suppliers.

Avery Dennison product portfolio

Facestock	Adhesive	Liner	Spec #	Ribbon model								Applications				
				Ricoh "B110CF"	Ricoh "B110C"	Sony "TR4070"	Armor "AXR7+"	DNP "R510"	DNP "R300"	limak "SP-330"	ITW "B324"	Mn. application temp	Low service temp	High service temp/time	RoHS	UL*
1 Mil gloss white PI TC	S8088	BG50#	MZ2001	●●	●●	●●	●	●●	●●	●●	●	10°C	-4°C	260°C/5mins	●	●
1 Mil matte white PI TC	S8088	BG50#	MZ2000	●●	●●	●●	●	●●	●●	●●	●	10°C	-4°C	260°C/5mins	●	●

●● Excellent ● Good ● Recommended

UL* pending

For more information about polyimide labeling solutions and to get in touch with an Avery Dennison representative, please call the following number in your respective region.

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