

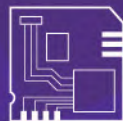


Inspired Brands.
Intelligent World.™



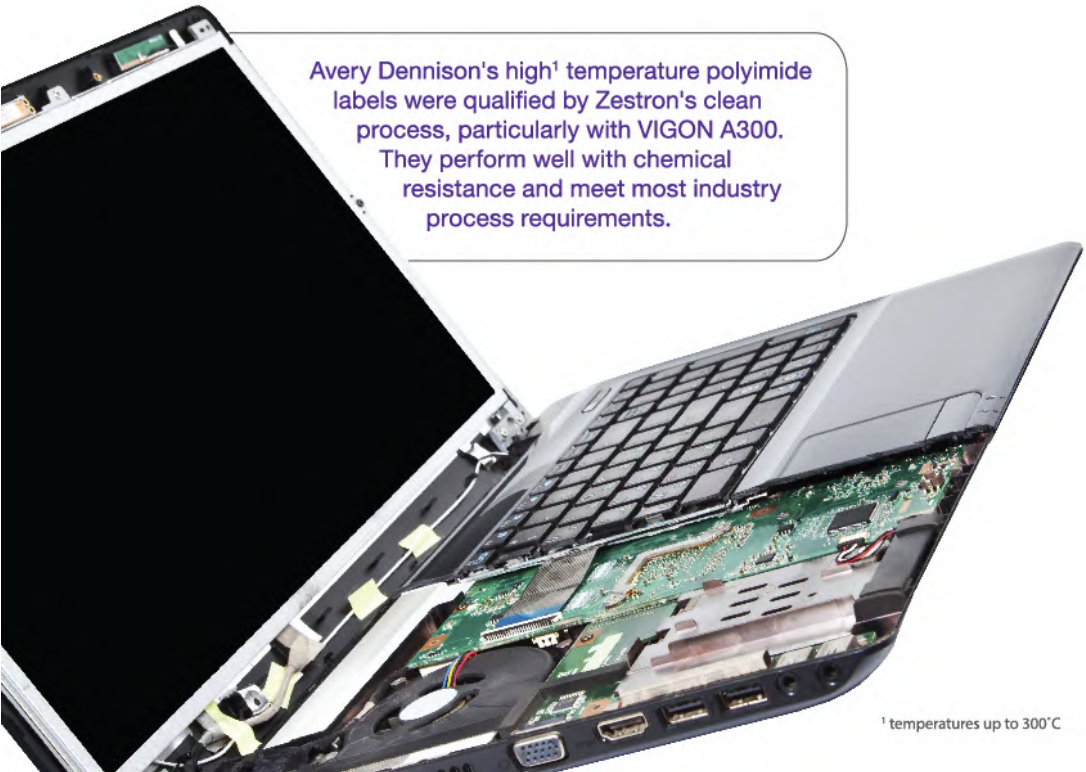
The Ideal Balance of High Temperature Performance and Function

Avery Dennison's Next Generation Polyimide Labels



Avery Dennison Polyimide Labels

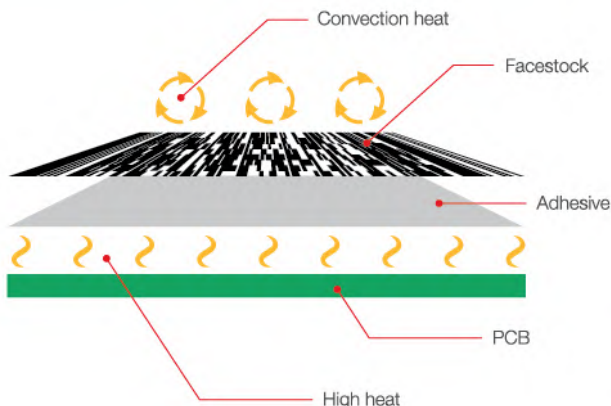
Product traceability is vital in the assembly process of Printed Circuit Boards (PCB). Durable and legible labels ensure that every batch of products can always be traced. Avery Dennison's specially formulated polyimide labels are ideal for tagging PCB and LED applications, with our highly heat-resistant topcoat preserving label legibility even after high¹ temperatures of soldering and chemical baths.



Avery Dennison's high¹ temperature polyimide labels were qualified by Zestron's clean process, particularly with VIGON A300. They perform well with chemical resistance and meet most industry process requirements.

¹ temperatures up to 300°C

Label features



High temperature resistance
(up to 300°C for 5 mins)



ANSI Grade "A" barcode readability
(improves efficiency)



High solvent resistance
(withstands corrosion well)



Anti-yellowing properties
(even at high temperatures)



No edge lifting
(reliable adhesion to substrate)

Facestocks

The facestocks and topcoats of Avery Dennison polyimide labels are engineered to fulfill application requirements with outstanding performance. Our unique high¹ temperature resistant topcoating is optimised with superior chemical and scratch resistant qualities, delivering high-density barcodes that maintain outstanding traceability after soldering.

Customers can choose between 25 micron and 50 micron in order to fulfill market requirements of manual and automatic labelling.

Adhesives

S8088S adhesive is a solvent-based adhesive specially formulated to withstand high¹ temperatures and corrosive solvents.

Release liner

Avery Dennison's BG50# (80gsm) glassine liner is designed for easy die-cutting and labelling by precise silicon coating.

Thermal transfer printing

Avery Dennison polyimide labels are optimised for thermal transfer printing with ribbons from an extensive variety of suppliers.

¹ temperatures up to 300°C

Avery Dennison Portfolio

Product description				Application				Recommended ribbon
Facestocks	Adhesives	Release Liners	Product Number	Auto Labelling	Max. performance	ROHS	UL	
1mil Matte White PI HTC	S8088S	BG50#	MZ2000W	Good	300°C	Pass	Obtained (MH 20558)	Avery Dennison: AX8 Ricoh: B110CR Armor: AXR8 DNP: R510 DNP: R300 DNP: TR4070 Zebra: 5095 ITW: B324
1mil Gloss White PI HTC	S8088S	BG50#	MZ2001W	Good	300°C	Pass	Obtained (MH 20558)	
2mil Matte White PI HTC	S8088S	BG50#	MZ2002W	Excellent	300°C	Pass	Obtained (MH 20558)	
2mil Gloss White PI HTC	S8088S	BG50#	MZ2003W	Excellent	300°C	Pass	Obtained (MH 20558)	
1mil Matte Yellow PI HTC	S8088S	BG50#	MZ2000Y	Good	300°C	Pass	Pending	

To optimise thermal transfer print quality with a recommended ribbon, please get in touch with our Avery Dennison representatives for assistance.

Matte White PI HTC



AVERY DENNISON
1MIL MATTE WHITE

Gloss White PI HTC



AVERY DENNISON
2MIL GLOSS WHITE

Colour PI HTC



AVERY DENNISON
1MIL YELLOW

Engineered for high performance

With enhanced technology, Avery Dennison labels are shrinking in size with increasing capacity to carry more information whilst constantly being infused with greater environmental consciousness. Today, more corporations are selecting lead-free soldering processes. These changes in application have raised the expectations of performance and heat¹ resistance in fine barcode printing.

Our Avery Dennison portfolio of polyimide labels feature impressive adaptability, handling the demanding challenges faced in PCB and LED assemblies (reflow oven, solvent baths) with ease*. This new polyimide label series is optimised for printing and specially formulated to withstand the high¹ temperatures of the reflow process. It can be applied to all leaded and lead-free soldering processes in the market.

* Not recommended for wave solder and touch applications
¹ temperatures up to 300°C

Stay on track through your supply chain

Avery Dennison's portfolio of polyimide labelling solutions leverages on the advantages of global supply to meet local needs efficiently. With localised production and small-volume services, we help you stay on track from production to delivery.



About Avery Dennison

Avery Dennison (NYSE:AVY) is a global leader in labeling and packaging materials and solutions. The company's applications and technologies are an integral part of products used in every major market and industry. With operations in more than 50 countries and 26,000 employees worldwide, Avery Dennison serves customers with insights and innovations that help make brands more inspiring and the world more intelligent. Headquartered in Glendale, California, the company reported sales from continuing operations of \$6.1 billion in 2013. Learn more at www.averydennison.com.

For more information about polyimide labelling solutions,
get in touch with us at durablesteam@averydennison.com

All information is based on Avery Dennison's tests. Customers should test products with the relevant processes. The parameters are subject to change without notice.

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