

Blood & IV Bag Labeling Portfolio

Label performance you demand

Robust product performance and extensive adhesive safety testing are key for specialty healthcare applications like bloodbag and IV bag labeling. Primary and secondary labels must withstand extreme hot and cold temperatures common to blood processing protocols. Primary labels, in particular, must offer enhanced moisture and heat resistance to withstand autoclave sterilization and potential exposure to warm water baths.

Label solutions you can trust

At Avery Dennison, primary blood and IV label stock must undergo rigorous evaluation for acceptability. FDA815S, AT1, and AT20N were tested in accordance with the FDA's guidelines for the Uniform Labeling of Blood and Blood Components. For convenience, safety of potential recipient exposure data is available for end users in an FDA drug master file. In addition, all three adhesives have undergone biological reactivity and hemolytic testing to further establish their suitability for use in bloodbag and IV bag labeling.



Typical Adhesive Performance Characteristics*

Adhesive	Minimum Application Temperature	Service Temperature Range	FDA 21 CFR 175.105 Compliant	US Pharmacopeia Biological & Hemolytic Testing (USP XXIV)	FDA Drug Master File Listing
AT1-B	-10° F	-65° F to +250° F	Yes	Pass	Yes
AT20N	-20° F	-65° F to +200° F	Yes	Pass	Yes
FDA815S	+50° F	-40° F to +200° F	Yes	Pass	Yes

Key

Recommended	●
Product dependent/ testing recommended	●
Not Recommended	●

Facestock Descriptions

Primary applications

- Pli-A-Print®** Latex impregnated, clay coated paper. High internal strength and moisture resistance. Good conformability and flexibility. Fair printability with solvent/water-based flexo, screen, and offset.
- Smudgeproof Pli-A-Print®** A latex-impregnated paper with a smudge-resistant coating for computer imprinting. Fair printing with solvent and water based flexo, letterpress, screen and offset methods. Not recommended for UV flexo or UV varnishes.
- Pli-A-Print®** Teslin is a unique white film facestock in that has the ability to breathe. In addition, it offers high temperature resistance, dimensional stability, and a high degree of conformability.

Secondary applications

- TransCode®** White polyolefin thermal transfer printable film specially engineered to be receptive to a variety of thermal transfer ribbons.
- Synthetic Paper** A matte white, highly opaque polypropylene film suitable for flexographic, letterpress, screen, and thermal transfer printing. Possesses high strength and durability, as well as good moisture resistance.

Adhesive	Autoclave Category	Autoclave Sterilization	Adhesion		
			PVC	PP	Glass
AT1B	Emulsion Acrylic	●	●	●	●
AT20N	Emulsion Acrylic	●	●	●	●
FDA815S	Solvent Acrylic	●	●	●	●

*Application-specific testing required.

Primary Application Specifications

Paper/Film	Spec#	Product Description
Paper	02730	Pli-A-Print/FDA815SB/40#SCK
	96549	Smudgeproof Pli-A-Print/AT1B/50#SCK
Film	79561	7M Teslin/AT1B/50#SCK

Secondary Application Specifications

Paper/Film	Spec#	Facestock
Film	72981	TransCode/FDA815SB/50#SCK
Film	B4103	TransCode White/AT20N/50#SCK

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