

# Blood & IV Bag Labeling Solutions

## 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.



## 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.
- Teslin** 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.
- Kimdura®** White biaxially oriented three-ply polypropylene film specially treated for computer imprintability. Suitable for dot matrix and thermal transfer printing applications with select 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

## Product Information

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

\*Application-specific testing required.

### Key

Recommended ●

Product dependent/  
testing recommended ●

Not Recommended ●

### 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                          |

### Primary Application Specifications

| Paper/Film | Spec# | Product Description                 | Width/Length (In./Ft.) | Location |
|------------|-------|-------------------------------------|------------------------|----------|
| Paper      | 02730 | Pli-A-Print/FDA815SB/40#SCK         | 60/1668                | PVL      |
|            | 96549 | Smudgeproof Pli-A-Print/AT1B/50#SCK | 60/4167                | PVL      |
| Film       | 79561 | 7M Teslin/AT1B/50#SCK               | 54/6000                | PVL      |

### Secondary Application Specifications

| Paper/Film | Spec# | Product Description                | Width/Length (In./Ft.) | Location |
|------------|-------|------------------------------------|------------------------|----------|
| Film       | B7025 | 4.3 Mil Synthetic Paper/AT1/50#SCK | 54/4167                | PVL      |
|            | 72981 | TransCode/FDA815SB/50#SCK          | 54/40800               | PVL      |
|            | 70397 | 3.7 Mil Kimdura/FDA815SB/54#SCK    | 54/4630                | PVL      |
|            | B4103 | TransCode White/AT20N/50#SCK       | 54/4630                | PVL      |

**Locations:** DAL-Dallas, TX; FTW-Fort Wayne, IN; GFD-Greenfield, IN; MTL-Montreal; NEE-Neenah, WI; PVL-Painesville, OH; PTC-Peachtree City, GA; QTN-Quakertown, PA; SEA-Seattle, WA; TOR-Toronto; WCT-West Coast

[label.averydennison.com](http://label.averydennison.com)

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