



Let Us Label You

## Fasson® 2 Mil Clear Polypropylene TC/C0196/40#BG

**Spec# 79802**

### Facestock:

Fasson® 2.0 Mil Clear Polypropylene TC is a heat set biaxially-oriented, coextruded polypropylene film. The surface has been topcoated to provide superior printability by flexographic and thermal transfer methods. This facestock is resistant to many chemicals, including xylene, isopropanol, dimethyl sulfoxide, and 10% hydrochloric acid.

Basis Weight:	n/a
Caliper:	0.0020 inches ± 10%
Tensile:	n/a
Tear:	n/a
Stiffness:	n/a

### Adhesive:

Fasson® C0196 is a permanent solvent acrylic adhesive specifically designed to adhere to plastic and glass substrates when using liquid nitrogen during deep freeze cryogenic processes. The adhesive will withstand temperatures of -196° C to 90° C. The adhesive will also withstand conditions such as dry ice (-80° C, -112° F), steam autoclave and gamma radiation.

Type:	Solvent Acrylic
Minimum Application Temperature:	-20° F
Service Temperature Range:	-196° C (-320° F ) to +90° C (+190° F )

### Typical Performance Data:

#### Stainless Steel

Loop Tack:	1.8 lbs.
Peel Adhesion:	2.0 lbs.

#### HDPE

Loop Tack:	0.8 lbs.
Peel Adhesion:	0.9 lbs.

#### Polypropylene

Loop Tack:	0.7 lbs.
Peel Adhesion:	0.9 lbs.

#### Glass

Loop Tack:	1.0 lbs.
Peel Adhesion:	1.9 lbs.

### Liner:

Fasson® 40#BG is a bleached glassine white liner with excellent roll label converting properties. Designed for low- to medium-speed dispensing applications. Not recommended for sheeted applications. Features good back printability.

Basis Weight:	40# per ream ±10% (500 sheets 24" x 36")
Caliper:	0.0023 inches ±10%
Tensile:	MD 36# per inch width CD 19# per inch width
Tear:	MD 36 grams CD 39 grams



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**Total Construction Caliper** (approximate): 0.0051 inches  $\pm$  10%

Designed to perform at cryogenic temperatures, and under other difficult conditions, such as dry ice, steam autoclave, and gamma radiation. Recommended for labeling laboratory identification vials, test tubes, well plates, and slides.

**Note:** Samples of this material have been printed with DiaNippon resin ribbon R-510.

Environmental Conditions Tested Include:

Material was tested on glass vials, polypropylene vials, glass slides and polypropylene slides.

Freezer: 3 cycles of 16 hours at -70C/-94F followed by 8 hours at room temperature

Autoclave: 3 cycles of 1 hour at 121C/250F at 15psi followed by 23 hours at room temperature

Liquid Nitrogen: 3 cycles of 4 hours at -196C/-320F followed by 20 hours at room temperature (not suitable for glass vials).

### **Optimal Storage Conditions**

Unless otherwise specified in this document, ideally store at 72F and 50% RH

### **Statement of Practical Use**

**All materials, sales and contracts for sale of Avery Dennison products are sold with the express requirement and understanding that the customer is solely and exclusively responsible for testing and for ensuring the products are fit for the customer's purposes or an end-user's purposes. All express or implied warranties of merchantability and fitness for particular use are disclaimed.**

### **Warranty**

All sales and contracts for sale are expressly conditioned on the buyer's assent to Avery Dennison's terms and conditions found on its website at [label.averydennison.com/products](http://label.averydennison.com/products). Avery Dennison hereby objects to any term, different from or additional to Avery Dennison's terms, contained in any buyer communication in any form, unless agreed to in a writing signed by an officer of Avery Dennison.

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