



ETI™ FS104 (White BOPP)  
 ETI™ AD13 (Permanent-Clear Adhesive)  
 ETI™ LN10 (PET liner)

**Facestock**

ETI™ FS104 is a white, two side coated, non cavitated high gloss film. It has high performance print receptive coating on one side and an adhesion promoting coating on the reverse side. It also has a high stiffness and an excellent moisture resistance.

<i>Caliper</i>	0,0020 in.	or 0,0050 cm ± 10%
<i>Tensile Strenght TD</i>	21,8#/in. <sup>2</sup>	or 15,0 N/cm <sup>2</sup>
<i>Tensile Strenght MD</i>	26,1#/in. <sup>2</sup>	or 17,8 N/cm <sup>2</sup>
<i>Elongation at break TD</i>	110%	
<i>Elongation at break MD</i>	85%	
<i>Opacity</i>	80%	

**Adhesive**

ETI™ AD13 is a medium viscosity permanent pressure sensitive adhesive designed for crystal clear, no-look label applications. It has a good balance of machining properties including good coatability and clean die cutting.

<i>Application Temperatures</i>	300 to 350 °F	or 150 to 175 °C
<i>Service Temperatures</i>	-5 to 175 °F	or -20 to 80 °C

**Liner**

ETI™ LN10 is a polyester one side siliconised liner.

<i>Caliper</i>	0,0010 in.	or 0,0025 cm ± 10%
<i>Basis Weight</i>	0,02 lbs/in. <sup>2</sup>	or 1,40 g/cm <sup>2</sup> ± 10%
<i>Tensile Strenght TD</i>	20,000 lbs/in. <sup>2</sup>	or 14 kg/mm <sup>2</sup> ± 20%
<i>Tensile Strenght MD</i>	23,100 lbs/in. <sup>2</sup>	or 16 kg/mm <sup>2</sup> ± 20%
<i>Elongation TD</i>	80-150 %	
<i>Elongation MD</i>	60-140 %	

**Performance data**

*Peel Adhesion*

<i>Stainless steel</i>	2,1 lbs	or 0,95 kg
<i>HDPE</i>	2,2 lbs	or 1,00 kg
<i>Polypropylene</i>	2,2 lbs	or 1,00 kg
<i>Glass</i>	2,3 lbs	or 1,04 kg

*Loop Tack*

<i>Stainless steel</i>	2,5 lbs	or 1,13 kg
<i>HDPE</i>	2,0 lbs	or 0,91 kg
<i>Polypropylene</i>	2,2 lbs	or 1,00 kg
<i>Glass</i>	2,2 lbs	or 1,00 kg

*Total Construction Caliper (approximate)* 0,0040 in. or 0,0100 cm ± 10%

*\*3 possibilities of release :* High  
 Medium  
 Low

**Additional Information :**

**Printing and Converting**

Printable directly on the facestock by flexographic, gravure, silk screen and letterpress processes using a wide variety of differents inks. The facestock has a proprietary aqueous base top coating specifically designed for use with UV curing inks.

**Application and uses**

This product which presents good adhesion and cohesion to a wide range of substrates is suitable for general labelling, information labelling and product labelling (curved surfaces, labelling chilled or high humidity products, apolar surfaces, etc). It is not suitable for applications involving direct contact with foodstuffs.

**Shelf Life**

One year when stored at 72°F at 50% RH. Surface tension values may decrease in time.

**Statement of practical use**

As with all pressure-sensitive materials, this product should be tested thoroughly under end-use conditions to ensure it meets the requirements of the specific application.