



ETI™ FS190 (White BOPP)  
 ETI™ AD13 (Permanent-Clear Adhesive)  
 ETI™ LN10 (PET liner)

### Facestock

ETI™ FS190 is a one side coated, white-pearlized BOPP facestock with excellent printing performance with UV inks on the coated side. It has an excellent gloss and excellent die cutting performance.

<b>Caliper</b>	0,0026 in.	or 0,0065 cm ± 10%
<b>Tensile Strenght TD</b>	21,30 lb/in <sup>2</sup>	or 15 kg/mm <sup>2</sup>
<b>Tensile Strenght MD</b>	9,94 lb/in <sup>2</sup>	or 7 kg/mm <sup>2</sup>
<b>Elongation at break TD</b>	30%	
<b>Elongation at break MD</b>	160%	
<b>Gloss</b>	60%	

### 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.

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

### Liner

ETI™ LN10 is a polyester one side siliconised liner.

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

### Performance data

#### Peel Adhesion

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

#### Loop Tack

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

**Total Construction Caliper (approximate)** 0,0045 in. or 0,0115 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. The facestock has a coating especially made for a good UV inks receptivity. Excellent conversion characteristics in rotary and flat-bed.

### 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).

### 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.