



## SUN PROCESS Product Information Data

### SU-PRO® PL SERIES PRINTABLE POLYESTER FILMS ROLL LABEL

<u>SERIES NUMBER</u>	<u>MATERIAL THICKNESS</u>	<u>WITH ADHESIVE</u>
PL100C	1.0 mil	2.0 mil
PL150C	1.5 mil	2.5 mil
PL200C	2.0 mil	3.0 mil
PL300C	3.0 mil	4.0 mil
PL500C	5.0 mil	6.0 mil
PL100CM	1.0 mil	2.0 mil
PL200CM	2.0 mil	3.0 mil
PL100W	1.0 mil	2.0 mil
PL200W	2.0 mil	3.0 mil

*Thickness  $\pm$  10%, including adhesive*

*The following characteristics are on typical laboratory data:*

**DESCRIPTION:** A series of polyester films characterized by durability, high temperatures, and dimensional stability. These products are available in clear, matte and white.

**APPLICATION IDEAS:** SU-PRO® PT polyester films were designed for use as high quality marking materials in applications such as two-way printed emblems, multicolored printed markings, labels, and decals.

**ADHESIVE:** SP36 is a permanent acrylic pressure sensitive adhesive, specially formulated for use on PVC films. It resists plasticizer migration, which eliminates the need for added stabilization for most PVC films. This adhesive possesses good initial tack, peel, and shear values.

**LINER:** A 40 lb. Glassine release liner protects the adhesive prior to application and allows excellent diecuttability and excellent high speed dispensing.

**PRODUCT VARIATIONS:** This product is available with a variety of permanent and removable adhesives, as well as release liners. For specific applications, consult your Sun Process Sales Consultant.

*Top coating is available for processes that require other than print treated film.*

**ADHESION:** (PSTC-101)\* 180° peel values for SP36 acrylic pressure sensitive adhesive. Fifteen-minute dwell time with 1 mil adhesive thickness.

PL100	55 oz./inch width
PL150	56 oz./inch width
PL200	58 oz./inch width
PL300	60 oz./inch width
PL500	65 oz./inch width

**ADHESION  
(Continued):**

(PSTC-107)\* shear adhesion, 1000 gram load on polyester film (1 inch<sup>2</sup>) with 1 mil adhesive thickness.

PL100	250 hours / no failure	PL300	250 hours / no failure
PL150	250 hours / no failure	PL500	250 hours / no failure
PL200	250 hours / no failure		

*\*Data are averages and are not to be used for specification purposes.*

**DIMENSIONAL  
STABILITY:**

Excellent. No measurable shrinkage on applied parts.

**TRANSPARENCY:**

Film and adhesive exhibit no yellowing or loss of transparency after two (2) years with normal vertical exterior exposure.

**ABRASION  
RESISTANCE:**

Good

**HUMIDITY  
RESISTANCE:**

Excellent

**WATER  
RESISTANCE:**

Excellent. Test piece aged 24 hours after application to stainless steel panel before testing. Not affected when immersed in 70°F (21°C) water for seven (7) days.

**SOLVENT  
RESISTANCE:**

Good resistance to most petroleum solvents and lower aliphatic alcohols. Poor towards most esters and ketones.

**SERVICE  
TEMPERATURE  
RANGE:**

-50°F to 275°F (-46°C to 135°C)

**MINIMUM  
APPLICATION  
TEMPERATURE:**

50°F (10°C)

**STORAGE:**

Store under normal conditions of 60°F to 80°F (16°C to 27°C) and 40-60% R.H. in the original carton.

**SHELF LIFE:**

To obtain best performance, use this product within twelve (12) months from date of manufacture.

**ISO 9001:2015**

*This Sun Process product was manufactured under our quality system registered to ISO 9001:2015 standards*

**TECHNICAL INFORMATION**

*The technical information, recommendations and other statements contained in this document are based upon tests or experience that Sun Process believes are reliable, but the accuracy or completeness of such information is not guaranteed. They do not relieve the purchaser from the responsibility of examining the products upon delivery or provide assurance of the products suitability for a particular purpose.*

*Suitability for any given application is the sole responsibility of the user.*

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