



SUN PROCESS

Product Information Data

SU-PRO® PS SERIES PRINTABLE POLYESTER FILMS

<u>SERIES NUMBER</u>	<u>MATERIAL THICKNESS</u>	<u>WITH ADHESIVE</u>
PS100C	1.0 mil	2.0 mil
PS150C	1.5 mil	2.5 mil
PS200C	2.0 mil	3.0 mil
PS300C	3.0 mil	4.0 mil
PS500C	5.0 mil	6.0 mil
PS200CM	2.0 mil	3.0 mil
PS200W	2.0 mil	3.0 mil

Thickness $\pm$ 10%, including adhesive

The following characteristics are on typical laboratory data:

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

APPLICATION IDEAS: SU-PRO® polyester stay flat 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 90 lb. poly flat white (PFW) release liner protects the adhesive prior to application and allows the film to remain flat when sheeted.

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.

PS100	55 oz./inch width
PS150	56 oz./inch width
PS200	58 oz./inch width
PS300	60 oz./inch width
PS500	65 oz./inch width

ADHESION (PSTC-107)* shear adhesion, 1000 gram load on polyester film (1 inch²) with 1 mil
(Continued): adhesive thickness.

PS100	250 hours / no failure
PS150	250 hours / no failure
PS200	250 hours / no failure
PS300	250 hours / no failure
PS500	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: -40°F to 255°F (-40°C to 125°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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