



SUN PROCESS Product Information Data

SU-PRO® AL PVC SERIES DEAD SOFT ALUMINUM FOIL PRESSURE SENSITIVE

<u>SERIES NUMBER</u>	<u>MATERIAL THICKNESS</u>	<u>WITH ADHESIVE</u>
AL200PVC	2.0 mil	3.0 mil
AL500PVC	5.0 mil	6.0 mil

Thickness ± 10%, including adhesive

The following characteristics are on typical laboratory data:

DESCRIPTION: Aluminum foil (zero temper) coated one side with a permanent pressure sensitive adhesive and the exposed side with blue PVC heat seal.

APPLICATION IDEAS: SU-PRO® AL PVC series has been designed for applications such as wire/cable harness and heat elements.

ADHESIVE: SP90 is a permanent synthetic rubber pressure sensitive adhesive that offers high tack, peel, and shear values, and allows bonding to any clean, smooth, wax-free surface.

LINER: A 78 lb. clay coated, bleached, densified kraft release liner, silicone coated one side, protects the adhesive prior to application and allows the film to remain flat in sheet or roll form.

PRODUCT VARIATIONS: This product is available with a variety of permanent and removable adhesives, including SP36 permanent acrylic, and release liners. SP36 is recommended for use on plasticized products and when elevated temperatures exist. For specific applications, consult your Sun Process Sales Consultant.

ADHESION: SP90 Adhesive
(PSTC-101)* 180° peel values for SP90 rubber pressure sensitive adhesive, with 1 mil adhesive thickness.

<u>Dwell Time</u>	<u>AL200PVC</u>	<u>AL500PVC</u>
Initial	133 oz./inch width	171 oz./inch width
24 hours at 72°F (22°C)	150 oz./inch width	175 oz./inch width
1 week at 158°F (70°C)	153 oz./inch width	205 oz./inch width

(PSTC-107)* shear adhesion, 1000 gram load (1 inch²) with 1 mil adhesive thickness.

<u>AL200 PVC</u>	<u>AL500 PVC</u>
500+ hours / No Failure	500+ hours / No Failure

**ADHESION
(continued):**

SP36 Adhesive

(PSTC-101)* 180° peel values for SP36 acrylic pressure sensitive adhesive, with 1 mil adhesive thickness.

Dwell Time

	<u>AL200PVC</u>	<u>AL500PVC</u>
Initial	45 oz./inch width	55 oz./inch width
24 hours at 72°F (22°C)	60 oz./inch width	65 oz./inch width
1 week at 158°F (70°C)	70 oz./inch width	87 oz./inch width

(PSTC-107)* shear adhesion, 1000 gram load (1 inch²) with 1mil adhesive thickness.

<u>AL200 PVC</u>	<u>AL500 PVC</u>
200+ hours / No Failure	200+hours / No Failure

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

**DIMENSIONAL
STABILITY:**

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.

**HUMIDITY
RESISTANCE:**

Excellent.

**SOLVENT
RESISTANCE:**

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

**SERVICE
TEMPERATURE
RANGE:**

-65°F to 300°F (-54°C to 149°C)

**MINIMUM
APPLICATION
TEMPERATURE:**

40°F (4°C)

**COLORS
AVAILABLE:**

Blue Heat Seal AL200PVC AL500PVC

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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