



SUN PROCESS Product Information Data

SU-PRO® CV SERIES OVERLAMINATING VINYL FILMS

<u>SERIES NUMBER</u>	<u>THICKNESS AVAILABLE</u>	<u>WITH ADHESIVE</u>
CV320FCM	3.2 mil	4.2 mil
CV320FCL	3.2 mil	4.2 mil
CV340FC	3.4 mil	4.4 mil

Thickness $\pm 10\%$, including adhesive

The following characteristics are on typical laboratory data:

DESCRIPTION: A series of transparent calendered films that, once laminated, provide durable protection for surfaces prone to abuse. These products are available in clear, clear matte, and clear lustre.

APPLICATION IDEAS: SU-PRO® overlaminating films are intended for use as high quality durable films to enhance and protect images from abuse.

ADHESIVE: SP1-22UV is an ultra clear permanent UV resistant acrylic pressure sensitive adhesive. It possesses the smooth, even flow out characteristics required for its application as a pressure sensitive overlaminating film. The flow out characteristics of the adhesive can be enhanced by the application of heat during the lamination process.

LINER: A 40 lb. Glassine release liner is the standard used for overlaminating films. Alternate release liners are available with minimum purchase requirements. Contact your Sun Process Sales Consultant for details.

ADHESION: (PSTC-101)* 180° peel values for SP1-22UV ultra clear permanent UV acrylic pressure sensitive adhesive. 15 minute dwell time with 1 mil adhesive thickness.

CV320F 50 oz./inch width

CV340F 50 oz./inch width

(PSTC-107)* shear adhesive, 1000 gram load on polyester film (1 inch²) with 1 mil adhesive thickness: 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/or adhesive will exhibit no yellowing or loss of transparency after two (2) years with normal vertical exterior exposure.

**ABRASION
RESISTANCE:**

Good.

**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:**

-40°F to 176°F (-40°C to 80°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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