



SUN PROCESS Product Information Data

SU-PRO® CV SERIES MATTE FLEXIBLE CALENDERED VINYL SHEET CONVERTING

<u>SERIES NUMBER</u>	<u>MATERIAL THICKNESS</u>	<u>WITH ADHESIVE</u>
CV300F	3.0 mil	3.8 mil
CV650F	6.5 mil	7.3 mil
CV900F	9.0 mil	9.8 mil

Thickness \pm 10%, including adhesive

The following characteristics are on typical laboratory data:

DESCRIPTION: A series of matte flexible calendered vinyl films, available in a variety of colorfast solid colors. All materials are rated for two to three years outdoor use, abrasive, and scuff resistant and offer good dimensional stability for either interior or exterior applications.

APPLICATION IDEAS: SU-PRO® matte flexible calendered vinyl films have been designed for applications such as flat surface truck markings, automotive pin striping, labels, decals, signs, decorative trim and die cut emblems, for such industries as appliances, furniture, boats, mobile homes and recreational vehicles, home and business fixtures, cabinets, vending machines, and a host of others requiring flexibility, durability, and low cost flexible colorfast calendered vinyl.

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 vinyl to remain flat.

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.

For improved ink adhesion, top coat TC111 primer is available for processes such as flexographic, offset, letterpress, and screen printing.

ADHESION: (PSTC-101)* 180° peel values for 1 mil SP36 permanent acrylic based pressure sensitive adhesive.

DWELL TIME

Initial	60 oz./inch width
24 hours	70 oz./inch width
Ultimate	82 oz./inch width

(PSTC-107)* Shear (hold) to 500 hours at 70°F (21°C)
No failure

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

DIMENSIONAL STABILITY:	Excellent. No measurable shrinkage on applied parts.
ABRASION RESISTANCE:	Good.
WATER RESISTANCE:	Good. 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 based 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)
COLORS AVAILABLE:	See Color Chart
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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