



SUN PROCESS Product Information Data

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

SERIES NUMBER
CV340

MATERIAL THICKNESS
3.4 mil

WITH ADHESIVE
4.4 mil

Thickness \pm 10%, including adhesive

The following characteristics are on typical laboratory data:

DESCRIPTION: A clear double polished flexible calendered vinyl film. Abrasive and scuff resistant vinyl offers good dimensional stability for either interior or exterior applications.

APPLICATION IDEAS: SU-PRO® clear flexible calendered vinyl film has been designed for applications such as flat surface truck markings, floor graphics, labels, decals, signs, and die cut emblems, for such industries as appliances, furniture, boats, mobile homes and recreational vehicles, home and business fixtures, cabinets, and a host of others requiring flexibility, durability, and low cost flexible calendered vinyl.

ADHESIVE: SP22 is a water clear permanent acrylic pressure sensitive adhesive. This adhesive provides a smooth flow-out feature and exhibits good low temperature characteristics.

Also available is SP35, a high peel removable acrylic pressure sensitive adhesive, which possesses good initial tack, yet allows substrate to be removed without leaving adhesive residue.

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 also 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 recommended for processes such as flexographic, offset, letterpress, and screen printing. Clear Floor graphic vinyl is available with a TC 111 primer.

ADHESION: (PSTC-101)* 180° peel value for SP22 permanent acrylic pressure sensitive adhesive. A 2.0 mil polyester film with 1 mil adhesive thickness exhibited the following results:

DWELL TIME

Initial 48 oz./inch width

24 hours 64 oz./inch width

(PSTC-107)* Shear adhesion

CV340 4 hours / 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)
GLOSS:	60° gloss meter 70-75 gloss level.
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.

SUN PROCESS CONVERTING, INC.

1660 Kenneth Drive, Mt. Prospect, IL 60056

Toll Free: (800) 323-0697 • In Illinois: (847) 593-0447 • Fax: (847) 593-0115

Website: www.sunprocess.com • Email: sales@sunprocess.com