



## SUN PROCESS Product Information Data

### SU-PRO® CV SERIES HARD WHITE CALENDERED VINYL SHEET CONVERTING

<u>SERIES NUMBER</u>	<u>MATERIAL THICKNESS</u>	<u>WITH ADHESIVE</u>
CV320HW	3.2 mil	4.2 mil
CV600HW	6.0 mil	7.0 mil

*Thickness  $\pm$  10%, including adhesive*

*The following characteristics are on typical laboratory data:*

**DESCRIPTION:** Hard white calendered vinyl, which is abrasive and scuff resistant, and offers good dimensional stability for either interior or exterior applications.

**APPLICATION IDEAS:** SU-PRO® hard white calendered vinyl films have been designed as high quality surface covering or marking materials in applications requiring low cost, ease of application with large parts, and dimensional stability; e.g. die cut emblems and lettering for hand applications, for a wide variety of industries, such as appliances, furniture, boats, mobile homes and recreational vehicles, home and business fixtures, cabinets, vending machines, and a host of others requiring hard white, durable, low-cost 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 silk screen printing.

**ADHESION:** (PSTC-101)\* 180° peel values for SP36 acrylic pressure sensitive adhesive. Fifteen minute dwell time with 1 mil adhesive thickness.

CV320HW	65 oz./inch width
CV600HW	65 oz./inch width

(PSTC-107)\* shear adhesion, 1000 gram load on vinyl film (1 inch<sup>2</sup>) with 1 mil adhesive thickness.

CV320HW	250 hours/no failure
CV600HW	250 hours/no failure

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

<b>DIMENSIONAL STABILITY:</b>	Excellent. No measurable shrinkage on applied parts.	
<b>ABRASION RESISTANCE:</b>	Good.	
<b>WATER RESISTANCE:</b>	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.	
<b>HUMIDITY RESISTANCE:</b>	Excellent.	
<b>SOLVENT RESISTANCE:</b>	Good resistance to most petroleum solvents and lower aliphatic alcohols. Poor towards most esters and ketones.	
<b>SERVICE TEMPERATURE RANGE:</b>	-40°F to 176°F (-40°C to 80°C)	
<b>MINIMUM APPLICATION TEMPERATURE:</b>	50°F (10°C)	
<b>COLORS AVAILABLE:</b>	White Matte	CV320HW CV600HW
<b>STORAGE:</b>	Store under normal conditions of 60°F to 80°F (16°C to 27°C) and 40-60% R.H. in the original carton.	
<b>SHELF LIFE:</b>	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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