



SUN PROCESS

Product Information Data

SU-PRO® FCV SERIES

FLOCKED PRESSURE SENSITIVE

FLEXIBLE CALENDERED VINYL FILM

SERIES NUMBER
FCV1600F

MATERIAL THICKNESS
16 mil

WITH ADHESIVE
17 mil

Thickness \pm 10%, including adhesive
The following characteristics are on typical laboratory data:

DESCRIPTION: Flocked pressure sensitive flexible calendered vinyl films that offer a rich, plush napped surface consisting of an acrylic fiber content cut in a random pile direction and applied to a 3.2 mil flexible calendered vinyl film. Flocked calendered vinyls offer good dimensional stability for interior applications.

APPLICATION IDEAS: SU-PRO® flocked pressure sensitive vinyl has been developed for a variety of applications that include labels, P.O.P. displays, custom packaging, office accessories, educational materials, furniture bumper pads, greeting cards, framing and matting pictures. The rich, velvety appearance, color choice, and flexible yet durable vinyl covering make this product an ideal choice.

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 78 lb. clay-coated release liner protects the adhesive prior to application.

PRODUCT VARIATIONS: This product is also available with a variety of permanent and removable adhesives, as well as release liners. Please consult your Sun Process Sales Consultant.

ADHESION: (PSTC-101)* 180° peel value for SP36 acrylic pressure sensitive adhesive. Fifteen (15) minute dwell time with 1mil adhesive thickness.

FCV1600F 65 oz./inch width

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

FCV1600F 250 hours/no failure

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

DIMENSIONAL STABILITY:	Generally less than 2% at room temperature (measured in machine direction).
ABRASION RESISTANCE:	Poor
WATER RESISTANCE:	Test piece failed when immersed in 70°F(21°C) water for seven (7) days. Not recommended for water contact. The surface will become matted once immersed.
HUMIDITY RESISTANCE:	Excellent.
SOLVENT RESISTANCE:	Poor resistance to most solvents.
SERVICE TEMPERATURE RANGE:	-40°F to 176°F (-40°C to 80°C)
MINIMUM APPLICATION TEMPERATURE:	50°F (10°C). For initial adhesion, above 70°F (21°C) is recommended.
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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