



SUN PROCESS Product Information Data

SU-PRO® SPECTRA-GLOSS SERIES FLEXIBLE HIGH GLOSS CALENDERED VINYL FILM

| <u>SERIES NUMBER</u> | <u>MATERIAL THICKNESS</u> | <u>WITH ADHESIVE</u> |
|----------------------|---------------------------|----------------------|
| CV300F (HG) | 3.0 mil | 3.8 mil |
| CV320F (HG) | 3.2 mil | 4.2 mil |

Thickness \pm 10%, including adhesive

The following characteristics are on typical laboratory data:

DESCRIPTION: Solid color flexible high gloss calendered vinyl films, available in a variety of colors. Made of a high polymer formulation, with weather resistant color pigments, our high gloss films will not fade. These high gloss PVCs are abrasive and scuff resistant, offering good dimensional stability for both interior and exterior applications. A low cost alternative to cast vinyls, Spectra-Gloss vinyls have a guaranteed lifetime of four to five years.

APPLICATION IDEAS: SU-PRO® high gloss flexible calendered vinyl films have been designed for a wide range of applications. Ideal for the sign industry, steel rule and thermal die cutting applications, decorative trim, labels, decals, and P.O.P. displays. These high gloss films are easily converted on computer-generated sign making machines, both friction and pin fed.

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 bleached release liner protects the adhesive prior to application.

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 coating is available for processes such as flexographic, offset, letterpress, and screen printing.

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

DWELL TIME

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

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

CV320F(HG) 500 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 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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