

SP 283

ADHESIVE

PRODUCT DESCRIPTION:

image mate SP 283 is a high performance, water based, screen-printable, pressure sensitive adhesive. It has extremely high adhesion strength and excellent heat resistance for permanent bonding. Ideal for nameplate, overlay and membrane switch applications.

PHYSICAL PROPERTIES:

- Polymer Type: vinyl acrylic emulsion
- Appearance: white liquid, dries clear
- Bond: permanent
- Solids: ~ 58%
- Viscosity: ~ 30,000 cps RVF #5/10/77F
- pH: 4.0 - 5.0
- Wt. per gallon: 8.8 lbs.
- Tg: ~ -40°F / -40°C
- VOC content: < 1% by wt. (calculated)
- Freeze/Thaw Stable: No

PERFORMANCE PROPERTIES:

A 1 min (28g/M²) dry film of Image Mate SP 283 cast directly into 1 mil thickness polyester film will exhibit the following average performance properties when tested on #304 stainless steel having a #3 surface finish.

- 180° Peel Adhesion¹ 4.4 pounds
- Loop Tack n/a
- 178° Shear Adhesion³ 77 minutes

1 PSTC-130 minute dwell. 2 1 square inch contact, 1 second dwell. 3 0.25 square inch, 500 gram load, 10 min. dwell.

Removing adhesive: image mate Degreaser 260 may be used to clean up wet adhesive immediately after printing. IPA or acetone may be used if necessary after adhesive has dried.

STANDARD SIZES

- 5 gallon, 55 gal. drum



APPLICATIONS:

SP 283 can be screen printed through a wide variety of mesh counts. It can also be transfer coated using a slot-die, rod or roller coater. Use SP 283 to bond a variety of substrates such as:

- PVC
- Polyester
- Polypropylene
- Polycarbonate
- Wood
- Glass
- Metals
- Paper

For Technical Service
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