PriElex®
Functional Printed Electronic Materials
TECHNICAL DATA SHEET

UVPSA-10J UV-PSA Screenprint Spacer Adhesive

DESCRIPTION

UVPSA is a pressure sensitive spacer adhesive (PSA) designed to attach two substrate surfaces. It is screen printed with cure by ultraviolet light.

FEATURES

- Excellent printability & precision
- Excellent adhesion to many types of flexible substrates included PET, polyester, polycarbonate, stainless steel and Kapton
- Provides good stability against heat & humidity
- High peel strength
- Strong adhesion
- Low odor

Typical Properties	
Appearance	Pale yellow
Total % NV Solids	100%
Density	7.8 lbs./gallon
Sheer Strength	3-5 lb./inch on stainless
Peel Strength	>5 minutes @ 1 lb.
Non-volatile	100%

Screening Recommendations	
Mesh Screen	Monofilament polyester (60 to 200 mesh) or a stainless steel (80 to 150 mesh)
Emulsion Thickness	Between .003" and .005" (3-5 mils)
Polyurethane Squeegee	Shore 'A' durometer between 70 and 80

Note: Thicker deposits will provide better adhesion results.

SCREENING

It is essential to mix the material thoroughly before use. Recommended manufacturing room temperature is 68-86°F (20-30°C) Avoid direct sunlight. Expected coverage is 10-40 m²/kg. Not recommended for use with silicone as adhesion will not be strong.

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CURING

Recommended UV lamp is one metal halide lamp at 120W/cm with integral light at 500mJ/cm².

STORAGE & SHELF LIFE

Shelf life is 12 months in unopened container. Store in a dry area at the optimal temperature of 55°F (13°C)and below 70°F (21°C). Do not use product after the expiration date. Avoid sunlight and non-UV filtered light during storage and use.

Do not store used ink in the same container as unused ink.

DISPOSAL

The material and its container must be disposed in accordance with all local, state, federal and/or international regulations.

HANDLING

Consult Safety Data Sheet (SDS) for details on the handing procedures and product hazards prior to use. If you have any questions regarding handling precautions or product hazard, please email productsafety@kayakuAM.com.

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