



## 128-29

### UV CURABLE PRESSURE SENSITIVE ADHESIVE

**DESCRIPTION:** 128-29 is a screen-printable, UV curable, flexible, ultraviolet-cured pressure sensitive adhesive featuring excellent stability and a high degree of peel strength. 128-29 is unique in that its adhesive strength can be increased by thermal cure after initial radiation exposure. This material can be used on a variety of substrates including but not limited to Mylar, epoxy/glass PC boards, glass, stainless steel, and aluminum. 128-29 is capable of printing as made and does not require dilution.

**ADVANTAGES:**

- ❖ High peel strength
- ❖ Fast UV cure
- ❖ Heat and humidity stable

**PROPERTIES:**

Color	Amber
Consistency (cP)	10,000 – 14,000
Peel Strength (lb./in)	3 – 5
Specific Gravity	1.12
Coverage @ 1 mil. (in <sup>2</sup> /g)	54

**SUGGESTED HANDLING & CURING:** Material is ready to use as received. Cure using a 200-300 watt/inch mercury vapor lamp. Speed of cure will vary depending upon available energy. Typical cure time ranges from a few seconds to 1 minute when work is positioned 6-10 inches from lamp. Faster curing can be accomplished by moving lamp closer to work or increasing lamp intensity. End user is advised to experiment with intensity, speed, and distance for optimal properties. Adhesive strength can be further enhanced by thermal exposure after UV curing and bonding. Recommended thermal treatment is 125°C for 5-15 minutes.

**STORAGE:** Shelf Life: 12 months at 25°C in unopened container.

**SAFETY and HANDLING:** Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.