



## Adhesives and Coatings

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The Chemistry of Customer Attention

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## Craigcoat™ 1029K

### Application

Medium viscosity UV curable adhesive that cures to a high tack, pressure-sensitive film. Slightly “softer” and lower cohesive strength than 1029PSF and 1029J. May provide better bonds to paper.

Provides excellent wetting and flow properties; adheres to a wide variety of inks, films and coated paper substrates. Excellent bonds with coated paper to polyester, polypropylene and polyethylene as well as polyester and polypropylene to metallized film. Provides fiber tearing bonds on paper and corrugated when applied and cure properly.

Applied by flexo, roller coat, or gravure. Suggested minimum coat weight for paper is 1.0 mil and 0.5 mils for films and other nonporous substrates.

Some features include; easier machining, less waste, increased press speeds, no VOC's, etc.

over conventional pressure sensitive adhesive applications.

**Caution:** *Silicones, waxes, and plasticizers can have a negative affect on the adhesive properties.*

### Physical Properties

**APPEARANCE:** Pale amber liquid

**VISCOSITY:** 1500-2500 CPS (Brookfield, 20 rpm, #4 spindle, 77°F)

**APPLICATION TEMPERATURE:** 40-120°F  
If adhesive end product is **applied** at these temperatures, it will retain its adhesive properties to approximately 0°F. It cannot be applied below 40°F and achieve proper adhesion. Above 120°F, the adhesive becomes soft and can be removed.

**WEIGHT /GALLON(LBS):** 8.7 +/- 0.1

**SOLIDS:** ~100.00%

**STORAGE CONDITIONS:** Store below 90°F. Keep away from sunlight, artificial light and excessive heat. If very cold, product should be warmed slowly. Low temperatures will thicken product; high temperatures will thin product.

**CURE SPEEDS:** Suggested starting point is 80 fpm with one 400WPI lamp. May require up to 400mJ/cm<sup>2</sup> dosage to optimize peel strengths. Actual belt velocity will depend on the number of lamps, power of lamps and the efficiency of the reflectors. Films need to be checked for light transmission as each film absorbs UV light at

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