

## Product Data Sheet

### 5023LV UV LAMINATING ADHESIVE

#### Description of 5023LV

5023LV is a solvent-free, UV laminating adhesive. This product exhibits excellent adhesion to paper and most treated film stocks. It is designed to be cured through transparent films. Typical overlaminated films are OPP and PET. The result is a very strong bond with excellent clarity.

#### Typical Properties

	Typical Values
Viscosity (cps@ 77F)	210 – 230 cps
Cure Speed (one 300W/in Hg Lamp)	>300 ft/min
Bond Strength (expected)	>200 grams per inch
Mileage (Expected)	1.0 pounds per ream (3000 ft <sup>2</sup> )
Odor	Moderate
Density	9.1 – 9.2 pounds per gallon
Appearance	Amber liquid

#### Application Suggestions

A 360 to 440 line 4 to 6 BCM anilox is suggested for flexo applications. To achieve good bond strength try to avoid using any inks that may contain wax or silicone additives. Any non-lightfast inks, such as Reflex Blue, Rhodamine Red, etc., should be tested for compatibility with adhesives prior to running production on press. 5023LV is not intended for use in direct food applications.

#### QC Procedures and Suggestions

To achieve maximum properties, sufficient cure of 5023LV is necessary. A simple peel test can help insure that the product is curing properly. The bond strength does increase slightly overnight. Please consult our technical staff for the proper way to perform cure tests for each given press condition and application weight of the UV product.

#### Storage and Handling

5023LV should be stored away from heat, flame and should not be exposed to any direct light source. Otherwise, premature cure or gel could occur. Shelf life of 6 months from the date of manufacture is expected when stored properly. Isopropyl alcohol, acetone, and/or MEK are all good solvents for clean up of 5023LV. Proper personal protection (gloves, goggles) and proper ventilation are required when handling this material. Please consult MSDS for details on proper handling of this material.

**Disclaimer:** The information on this data sheet is believed to be accurate and reliable. It is, however, the users' responsibility to determine suitability of use for an application. MinusNine Technologies only warrants that this material meets the product specifications and makes no warranties concerning the suitability of this product for a particular use or purpose.