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ISO 9001 CERTIFIED  
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## 128-01HV

### HIGH DIELECTRIC STRENGTH POLYIMIDE COATING

**DESCRIPTION:** 128-01HV is a single component, electrically insulating, solvent strippable, polyimide based, ink and coating suitable for application by screen printing and syringe dispensing. 128-01HV also serves as a concentrate for spraying. This product is designed for use on electrical and electronic components where high temperature stability is required. The low CTE and high flexibility allow for good adhesion and low stress when exposed to high temperatures. 128-01HV is a flexible version of 122-01.

#### **TYPICAL CURED PROPERTIES:**

Consistency	Paste
Glass Trans. Temp. (°C)	320
Coefficient of Thermal Expansion (ppm/°C)	20
Dielectric Strength (V/mil)	> 4,000
Hydrolytic Stability	Excellent
Tensile Strength (psi)	> 12,000
Weight Loss (% , 1,000 hours @ 300°C)	< 2
Moisture Absorption (%)	< 0.9
Useful Temperature Range (°C)	-55 to +350
Thermal Stability (°C)	Good to +410

**SUGGESTED HANDLING & CURING:** 128-01HV is ready to use as supplied but can be thinned with 102-03 for printing and/or 127-32t for spraying. Best properties for most applications result when cured for 60 minutes at 150°C. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 80°C to 250°C. **For removal our 102-03 solvent is recommended.** You may also use NMP for stripping the 128-01HV. End user is advised to experimentally determine temperature and time best suited for individual applications. When building up multiple layers it is recommend to dry at 105°C for several minutes between coats to ensure no solvent entrapment.

**STORAGE:** Shelf Life: 1 year when stored at 23°C or less.

**SAFETY & 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.

*All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to results or possible infringements on patents.*

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