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122-01**POLYIMIDE ADHESIVE / COATING**

DESCRIPTION: 122-01 is a single component, electrically insulating, solvent resistant, polyimide based, adhesive and coating suitable for application by screen-printing, dipping and syringe dispensing. This product is designed for assembling electrical and electronic components. The cure schedule allows for rapid processing and the resulting bond exhibits excellent thermal stability and adhesion at high temperatures. 122-01 is an unfilled version of CMI 110-19.

TYPICAL PROPERTIES:

Viscosity (cps)	20,000
Glass Trans. Temp. (°C)	275
Flexural Strength (MPa)	130
Flexural Modulus (GPa)	3.75
Fracture Toughness (G _{IC} , J/m ²)	170
T-Shear Strength (psi)	> 1,500
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +230
Thermal Stability (°C)	Good to +325

SUGGESTED HANDLING & CURING: Apply adhesive to surface to be bonded by hand and/or automatic method and assemble. Apply slight pressure to assure good mating of surfaces and formation of fillet. Best properties for most applications result when cured for 1 hour at 200°C or 30 minutes at 150°C followed by 30 minutes at 250°C. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 150°C to 250°C. **The minimum cure time and temperature to assure solvent resistance is one hour at 180°C.** End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life: 1 year when stored at 23°C or less. Storing at higher temperatures may advance the resin. For syringe storage see [syringe handling guidelines](#) for recommendations on storage and maintaining homogeneity of material over long-term storage.

*** Please note: 122-01 may crystallize during storage. To re-melt crystals, place in a warm water bath or on a hot plate at 90°C – 100°C. Heat only until crystals dissolve. Do not leave unattended. Time to melt the crystals will be dependent upon the mass.*

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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