



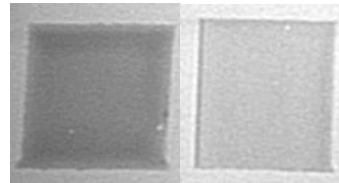
**114-29 A/B**

**PAD PRINTABLE RADIO OPAQUE INK**

**DESCRIPTION:** 114-29 A/B is a two component, pad printable, radio opaque ink/coating for application by pad printing, dipping and syringe dispensing. The product features excellent adhesion to pretreated polyethylene, and polypropylene, as well as to some varieties of pretreated polytetrafluoroethylene. This material will also adhere to polyurethane, polyamide, melamine, phenolic resins, metal, and glass substrates. Unlike conventional conductive materials, this product is very resistant to abrasion, scratching, flexing and creasing. Some applications for 114-29 A/B include, but are not limited to, manufacturing of medical devices and instruments.

**TYPICAL PROPERTIES:**

Color	Black
Viscosity (cps)	12,000
Percent Filler (cured)	> 95
Density (cured, g/cc)	9.8
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +200
Pot Life, Min. (room temperature)	7 Hrs.



Left: 0.003" Right: 0.001"  
Image taken at 100 KV and 100 µA

**SUGGESTED HANDLING:** Prior to use, be certain to mix well to re-suspend filler. Mix parts A, and B as prescribed above. Further thinning may be accomplished by adding small amounts of CMI thinners 113-39, 114-20 and/or 127-32R2.

Mix ratio (by weight)	100	114-29 Part A
	2.5	114-29 Part B

**SUGGESTED CURING:** Best properties, for most applications, result when cure with one of the following cure schedules. Good properties can be achieved with a range of cure temperatures from ambient up to 180°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

Temperature	<u>22°C</u>	<u>120°C</u>
Handling Properties	25 min.	3 min.
Full Cure	2 – 7 days	2 hr.

**STORAGE:** Shelf life: 6 months at 25°C in original sealed containers. **Please note: Part B is sensitive to moisture/humidity and should be tightly re-sealed immediately after using. A purge with nitrogen or other inert gas is recommended for long-term storage.**

**SAFETY & HANDLING:** Contains flammable solvents. 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 suitability in a particular application or possible infringements on patents.**