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## 119-31

### EXTREMELY FLEXIBLE, PAD PRINTABLE RADIO OPAQUE INK

**DESCRIPTION:** 119-31 is an extremely flexible, pad printable radio opaque ink/coating for application by pad printing, dipping and syringe dispensing. The product features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to abrasion, scratching, flexing and creasing. Some applications for 119-31 include, but are not limited to, manufacturing of medical devices and instruments.

#### TYPICAL PROPERTIES:

Viscosity (cps)	10,000
Percent Filler (cured)	> 95
Crease Resistance	Excellent
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 200

**SUGGESTED HANDLING & CURING:** 119-31 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinners #113-39 or 114-20. Prior to use, be certain to mix well to resuspend filler. **Best properties**, for most applications, result when cured for 5 to 10 minutes at 170°C. Excellent properties are also obtained on a variety of substrates by curing at temperatures ranging from 25°C to 175°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

**STORAGE:** Shelf life: 2 months at 25°C; or 6 months at 5°C; or 12 months at -10°C.

*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.*

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