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113-49

PAD PRINTABLE RADIO OPAQUE INK

DESCRIPTION: 113-49 is a 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 113-49 include, but are not limited to, manufacturing of medical devices and instruments.

TYPICAL PROPERTIES:

Viscosity (cps)	16,000
Percent Filler (cured)	> 95
Crease Resistance	Excellent
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 200

SUGGESTED HANDLING & CURING: 113-49 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI #113-39(fast drying) or #114-20(slow drying) thinners. 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 50°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.

REVISION DATE: 5/31/94 REVISION: A