



# **40-3914 NICKEL FILLED ELECTRICALLY CONDUCTIVE INK**

## **DESCRIPTION:**

40-3914 is a one component electrically conductive ink. This Polymer system was developed to provide a good balance of low cost and high conductivity. This thick film ink provides conductivity for many electronic and industrial applications. 40-3914 exhibits outstanding adhesion to a variety of substrates, such as kapton, mylar, glass, polyester, ceramic, etc. It is screen printable and sprayable.

## **FEATURES:**

- \*Low cost
- \*Low viscosity
- \*Good electrical resistance
- \*Adhesion to many substrates

## **TYPICAL SPECIFICATIONS:**

Color	Gray
Viscosity, 25°C, CPS	14,000
Specific gravity, 25°C	2.1
Electrical Resistivity, ohms/cm	$8.06 + 10^{-2}$
Operating temperature, °C	-20 to +135
Flash Point, °C/°F	99/211

## **SHELF LIFE:**

The expected shelf life is 6 months in original unopened container. Store between 65-85°F in dry area.

**\*over**

**1-800-EPOXIES (376-9437) • 401-946-5564 • Fax: 401-946-5526**

21 Starline Way • Cranston, RI 02921 USA  
www.epoxies.com • service@epoxies.com



### **INSTRUCTIONS FOR USE:**

1. All surfaces to be coated or bonded should be completely clean and grease free.
2. Since some nickel settling may occur in storage, re-mix each container prior to use.
3. Apply on 230-325 mesh polyester or stainless steel screen with solvent resistant emulsion. 40-3914 can also be sprayed or dispensed through syringes.
4. Cure according to one of the following cure schedules:

A. 25°C (77°F)	20-30 Minutes
B. 225°F (107°C )	8-10 Minutes
5. Theoretical Coverage

A. 720 sq.ft/gal/mil (7.10m <sup>2</sup> /kg)
---

### **IMPORTANT:**

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

02/06

**1-800-EPOXIES (376-9437) • 401-946-5564 • Fax: 401-946-5526**

21 Starline Way • Cranston, RI 02921 USA  
www.epoxies.com • service@epoxies.com