



AI TECHNOLOGY INC
 70 Washington Road
 Princeton Jct., NJ 08550
 (609) 799-9388 fax (609) 799-9308
 E-Mail: ait@aitechnology.com
 Internet: <http://www.aitechnology.com>

CONDUCTIVE CAULK
PIS9006

**Conductive Non-silicone
 Sealant/Caulk
 No Corrosive By-Products
 Air Drying**

IDEAL FOR:

EMI/RFI Shielding Applications
 Caulking Use

DESCRIPTION:

PIS9006 is a pure silver-plated copper filled conductive non-curing sealant. This one-component electrically conductive caulk will dry to form moisture and conductive seal at room temperature. The material has no corrosive by-products and has good adhesion properties to metals, plastics, silicones, ceramics and glass.

PIS9006 is provided as a one-part electrically conductive elastomer sealant. The adhesive has a continuous operating temperature of 125°C.

AVAILABILITY:

The material is normally supplied in a 2.5, 4.0, or 10 oz. kit.

APPLICATION PROCEDURES:

- (1) The surface to which PIS9006 is to be applied should be thoroughly cleaned.
- (2) The primer is applied in a manner to produce a thin, uniform coating.
- (3) Allow primer to air dry for not less than one hour and protected from contamination.

TYPICAL PROPERTIES*

Electrical Resistivity (25°C °C/ 24 hours)	5x10 ⁻³ ohm-cm
Dielectric Strength (Volts/mil)	
Glass Transition Temp.(°C)	
Lap-Shear Strength	350 psi 2.4 N/mm ²
Device Push-off Strength	N/A
Hardness (Type)	40 (A)
Cured Density (gm/cc)	3.0
Thermal Conductivity	7.0 Btu-in/hr-ft ² -°F 1.0 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	
Maximum Continuous Operation Temp. (°C)	125°C

* Properties given are typical values and not intended for use in preparing specifications. The user is advised to evaluate the product in the manner the product is intended to be used in manufacturing and in the final product.

CURE SCHEDULES:

<u>Temperature</u>	<u>Time</u>	<u>Pressure</u>
25°C	24 hr	

**Must be stored in sealed containers.

SHELF LIFE:

<u>Storage temperature</u>	<u>Shelf Life</u>
25°C	12 mo

CAUTION: This product may cause skin irritation. Avoid skin contact. If contact does occur, wash immediately with soap and water. Please refer to MSDS for more details.

The information contained herein is believed to be reliable. All recommendations or suggestions are made without guarantee inasmuch as conditions and methods of commercial use are beyond our control. Properties given are typical values and not intended for use in preparing specifications. The user is advised to evaluate the product in the manner the product is to be used in manufacturing and in the final product. Under no circumstance shall A.I. Technology be liable for accidental, consequential or other damages arising from the use or handling of this product.

While AI Technology owns all proprietary rights of material formulations of its products, specific usage in the manufacturing of certain products may involve patent rights of other companies.