



# AD- AG60

## SILVER CONDUCTIVE PASTE

Experience conductivity at its finest with Adnano' s Silver Conductive Ink. Crafted for excellence, our ink merges the exceptional electrical properties of silver with precision application. Ideal for printed electronics, sensors, and more, it delivers reliable, high-performance conductivity on diverse substrates. Embrace the future of innovation with Adnano' s Silver Conductive Ink, where every stroke spark connectivity and transforms ideas into reality.

## TECHNICAL PARAMETER

AD-AG60	Description
Sheet Resistance	<1 milli $\Omega$ /sq per 10 $\mu$ m
Surface Resistivity	60 micro $\Omega$ m
Density	1.3 g/ml
Percentage of solid loading	50%
Recommended mesh	100 Mesh
Color	Silver
CAS NO.	7782-42-5
Shel Life	3 months in unopened container
Curing/sintering Temperature	200 degree C for 10 minutes 250 degree C for 5 minutes

## APPLICATIONS

- Printed Electronics
- RFID Tags
- Touchscreens
- Sensors
- Solar Cells
- Flexible Displays
- Lighting(LEDs)
- Medical Devices
- Wearable Electronics
- Automotive Industry
- Aerospace
- Consumer Electronics

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# FEATURES AND ADVANTANGES OF AD-AG60

## Consistent Electrical Conductivity

It is suitable for applications where specific electrical properties need to be maintained.

## Cost-Effectiveness

It makes it a practical choice for applications with budget constraints.

## Proven Reliability

Their reliability and performance characteristics are well-documented.

## Low Sintering Temperatures

It can be advantageous for temperature-sensitive substrates.

## Compatibility with Traditional Equipment

Are compatible with traditional printing and deposition equipment, making them easy to integrate into existing manufacturing processes.

## Tarnish Resistance

Are less prone to oxidation and tarnishing, which can be important for long-term reliability and performance.

## Mechanical Strength

It can offer robust mechanical properties, making them suitable for applications that require durability and resistance to mechanical stress.

## Surface Roughness Control

It can provide better control over surface roughness, which is important for certain applications, such as antennas or sensors.

## Broad Range of Substrate Compatibility

It can adhere well to a wide range of substrates, including metals, ceramics, and polymers, ensuring compatibility with diverse materials.

## Simplified Quality Control

It may have fewer variables affecting their performance, simplifying quality control.