



# LOCTITE ECI 1501 E&C

High Conductive & Formable Silver Ink



LOCTITE ECI 1501 E&C is a formable, conductive silver ink with a good elongation performance. It is often used to print formable circuits to create 2.5 to 3D shaped circuits and in-molded electronic (IME) solutions. LOCTITE ECI 1501 E&C has a possible elongation to break of  $\pm 50\%$ . It is suitable for screen printing and compatible with polyester, polycarbonate, and some TPU foils.

## APPLICATION EXAMPLES

- In Molded Electronics
- 3D Formed Applications

## MARKET

 Automotive

 Healthcare

 Traditional Electronics

 Furniture & Building

 IoT Antennas

## TECHNICAL PRODUCT DATA

<b>Product Color</b>	» Silver
<b>Solid Content (% by weight)</b>	» 70
<b>Coverage (m<sup>2</sup>/kg, at 10 µm dry coating thickness)</b>	» 14
<b>Sheet Resistance (Ω/sq, at 25 µm dry coating thickness)</b>	» < 0.025
<b>Recommended Drying Cycle</b>	» 15 min, 120°C
<b>Application Method(s)</b>	» Screen Printing
<b>Compatible Substrates</b>	» PC, PET, TPU, PI, PEN
<b>Ink Viscosity (Rheometer, at 1.5 s-1, mPa.s)</b>	» 26,000
<b>Specific Product Properties</b>	» Elongation up to 50%

