



LOCTITE EDAG PE 409 E&C

Flexible & Highly Conductive Silver/Silverchloride Ink



LOCTITE EDAG PE 409 E&C is a blend of finely divided silver and silver chloride particles in a thermoplastic resin. It is specially designed for use as an electrode material in polyester film-based medical sensing devices. The product has a silver/silverchloride ratio of 9:1. LOCTITE EDAG PE 409 E&C is a conductive screen printable coating offering good flexibility and easy printability. LOCTITE EDAG PE 409 E&C is compatible with Henkel silver and carbon ink and the dry electrode adhesive LOCTITE DURO-TAK 9264.

APPLICATION EXAMPLES

- Medical Electrodes
- Printed Biosensors

MARKET

 Automotive

 Healthcare

 Traditional Electronics

 Furniture & Building

 IoT Antennas

TECHNICAL PRODUCT DATA

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| Product Color | » Silver |
| Solid Content (% by weight) | » 75 |
| Coverage (m²/kg, at 10 µm dry coating thickness) | » 15 |
| Sheet Resistance (Ω/sq, at 25 µm dry coating thickness) | » < 0.05 |
| Recommended Drying Cycle | » 15 min, 120°C |
| Application Method(s) | » Screen Printing |
| Compatible Substrates | » PET, PI, PEN, Paper |
| Ink Viscosity (Brookfield, mPa.s) | » 25,000 |
| Specific Product Properties | » 9:1 Ag/AgCl ratio |

