Heraeus

Electronics

AGCL-907 (Ratio 65:35)

Polymer Thick Film

Description

AGCL-907 Silver/Silver Chloride Ink is an electrically conductive ink with the AG to AGCL ratio of 65/35 designed to be applied in manufacturing by screen printing, dipping and various other print methods. The ink is suited for printed disposable defibrillator pads; EKG and EEG reference electrodes; and other biomedical sensors. Other AGCL ink formulations are available with different silver to silver chloride ratios for varying interaction of electronic signals in medical devices.

Key Features

- Compatible with AG-510 and Ag-888 as an overprint
- Dries to a smooth surface finish in order to optimize surface area contact for enhanced electrode interaction
- Designed to dry quickly after printing
- Extremely tough; crease and scuff resistant
- Ratio silver to silver chloride: 65/35 other ratios are available

This picture does not show the packaging of AGCL-907 and is solely intended for illustration purposes. The products are available in different packaging configurations and may change over time. Please refer to the latest safety data sheets for safety-relevant pictograms

Typical Properties	
Viscosity	6-12 Kcps SC4-14 spindle @ SR 20 25°C
Solids	68% ± 2%
Metal	Ag
Color	Light Silver
95% Max Particle Size	<50 µm VIA hegman gauge

Recommended Processing Guide	
Printing Parameters	Polyester Mesh (180 to 260 TPI) Stainless not compatible. Flood bar on screen printing equipment should be Teflon or plastic.
Drying Temperature	100-130°C
Film Thickness	10-20 µm DFT
Recommended Thinner	Solvent 40
Paste Compatibility	Designed for use with AG-510 and AG-888 silver conductor. Compatible with all PriElex dielectrics.

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Warranty

6 months

Storage

Ambient storage, mix well prior to use, Avoid white light exposure. Can not contact metal

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All changes are based on information displayed using the template data_sheet/HET/TFM/print_data_sheet.html.twig.
Version (last updated) 26 Jan 2026

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