

AG-500A

Polymer Thick Film

Description

AG-500A is a screen-printable, silver-filled, electrically conductive ink or coating with a proprietary copolymer system offering excellent adhesion, very good hard crease resistance and low point-to-point resistance. The formulation balances longer open time on screens and short drying time in subsequent drying processes

Key Features

- Ideal for long traces
- Excellent point-to-point conductivity
- Extremely tough, scuff resistant and crease resistant
- Excellent adhesion to polyester, polyimide, most ITO and most other substrates



Typical Properties

Viscosity	3.8-4.4 kcps SC4-14 spindle @ SR 20, 25°C
Solids	59-63%
Metal	Ag
Color	Silver

	<25 μ
--	-------

Recommended Processing Guide

Printing Parameters	Monofilament polyester (157 to 230 mesh) or stainless steel (165-325 mesh) is recommended
Recommended Thinner	Solvent 30

AG-500A

Polymer Thick Film

Warranty

6 months

Storage

Store at ambient conditions away from direct light. Material should be thoroughly mixed or rolled on a jar roller at a slow speed for 1 hour prior to use

Americas

Phone +1 610 825 6050  
electronics.americas@heraeus.com

Asia Pacific

Phone +65 6571 7649  
electronics.apac@heraeus.com

China

Phone +86 53 5815 9601  
electronics.china@heraeus.com

Europe, Middle East and Africa

Phone +49 6181 35 4370  
electronics.emea@heraeus.com

The descriptions and engineering data shown here have been compiled by Heraeus using commonly accepted procedures, in conjunction with modern testing equipment, and have been compiled according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for particular application. The Heraeus logo and Heraeus, figurative mark are trademarks or registered trademarks of Heraeus Holding GmbH or its affiliates. All rights reserved.