Heraeus

Electronics

AG-510

Polymer Thick Film

Description

AG-510 is a screen-printable, silver-filled, electrically conductive ink or coating for high reliability in flex circuits, membrane switches, touch screens, EL panels and other electronic applications. It has a proprietary copolymer system offering excellent adhesion, very good hard crease resistance, and low point-to-point resistance.

Key Features

- Ideal for long traces
- Extremely tough, scuff resistant and crease resistant
- Excellent adhesion
- Can be thermoformed
- Can be used with PriElex AGCL inks
- Print resolution down to 75/75 µ lines and spaces

Typical Properties	
Viscosity	3.4-3.9 kcps. Brookfield SC4-14 spindle @ SR 20, 25°C
Solids	66-77%
Metal	Ag
Color	Silver
	<10 µ

Recommended Processing Guide	
Printing Parameters	Monofilament polyester (157 to 230 mesh) or stainless steel (165-325 mesh) is recommended
Recommended Thinner	Solvent 20

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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

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