Au Ag

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AURUNA® 570

GOLD SILVER ELECTROLYTE

Alkaline-Cyanide Gold Alloy Electrolyte – Gold-Saving

AURUNA® 570 is an alkaline-cyanide alloy electrolyte for depositing green-yellow gold coatings. The gold-silver alloy has a fineness of approx. 18 carats. The coatings are gold-saving, they are bright even as thick layers. For thin layers, a variant with a low gold content is available (AURUNA® 570 LC).

The long-term stable AURUNA® 570 electrolyte is easy to operate and suitable for rack and barrel. It is used for decorative applications.

Advantages

- Gold-saving 18 carat layers
- Alkaline-cyanide gold alloy electrolyte
- Free of cadmium
- For decorative applications
- Bright even as thick layers
- Easy bath maintenance
- The coatings are RoHS compliant
- Suitable for rack and barrel

Applications

- Jewellery
- Watches
- Spectacle frames
- Writing implements
- Lighting
- Household articles
- Cutlery
- Accessories

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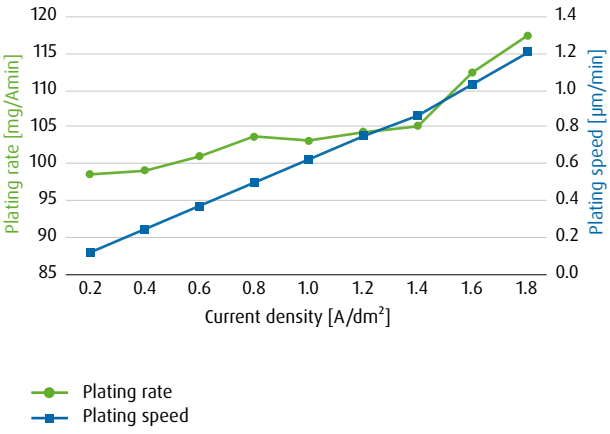
TECHNICAL SPECIFICATIONS

Electrolyte characteristics	
Electrolyte type	Alkaline-cyanide
Metal content	8 (7.5 - 8.5) g/l Au 3 (2.5 - 3.5) g/l Ag
pH value	> 11
Operating temperature	35 (30 - 40) °C
Current density range	1.0 (0.2 - 1.8) A/dm²
Plating speed	Approx. 0.6 µm/min at 1.0 A/dm²
Anode material	Stainless steel

Coating characteristics	
Coating	Gold-silver
Alloy composition	75 wt. % Au 25 wt. % Ag
Colour of deposit	Green-yellow
Brightness	Bright
Hardness of deposit HV 0.015 (Vickers) approx. values	115 HV
Max. coating thickness	> 10 µm
Density of the coating	Approx. 15.5 g/cm³

Plating Speed and Plating Rate in Dependence on Current Density



YOUR CONTACT

Do you have a specific question or would you like a no-obligation quote calculation?
Our specialist will be happy to help you with any technical questions you might have.

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