



AURUNA® 556 EF-24 Fine Gold Electrolyte for Electroforming

Electrolyte for fine gold hollow jewellery

AURUNA® 556 EF-24 is particularly suitable for electroforming. The electrolyte produces hard, semi-bright, thick gold layers. It is mainly used to produce high quality hollow jewellery with layers between 150 and 200 micrometer. Mandrels may be either made of wax or metal. The excellent hardness up to 200 HV and more than 99.9 percent fineness ensure customer satisfaction, because the hollow jewellery offers outstanding stability in use. It can be polished easily, has good surface quality and convinces with its solder properties.



AURUNA® 556 EF-24 is also ideal when thick fine gold layers are deposited on (non-) precious metals. Creative combinations allow completely new designs.

Electrolyte characteristics

Electrolyte type	Neutral
Metal content	12 (12 - 20) g/l Au
pH value	6 (5.8 - 6.2)
Operating temperature	45 °C
Current density range	0.5 A/dm ²
Plating speed	0.23 µm/min
Deposition rate	85 - 90 mg/Amin
Anode material	Pt-Ti (type PLATINODE® Pt-Ti)

Coating characteristics

Coating	Fine gold
Purity	99.9 wt. % Au
Colour of deposit	Yellow

Brightness	Semi-bright
Hardness	200 HV
Max. coating thickness	Several 100 µm
Density of the coating	Approx. 19.0 g/cm ³

Advantages

- 24 ct fine gold electrolyte for electroforming
- Suitable for wax and metal mandrels
- Layer thicknesses between 150 and 200 micrometer
- High hardness up to 200 HV at 99.9 percent fineness

Applications

- Electroforming
- Hollow jewellery
- Noble jewellery

Your contact person



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