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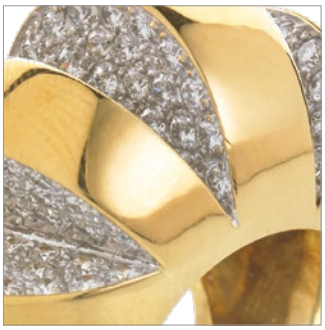
AURUNA® 556 EF-24

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.

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

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FINE GOLD ELECTROLYTE FOR ELECTROFORMING

TECHNICAL SPECIFICATIONS

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
Plating 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 of deposit HV 0.015 (Vickers) approx. values	200 HV
Max. coating thickness	Several 100 µm
Density of the coating	Approx. 19.0 g/cm^3

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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