



AURUNA® 568 EF-18 Gold-Silver Electrolyte for Electroforming

For more than 30 years used worldwide for hollow jewellery

The gold-silver electrolyte AURUNA® 568 EF-18 stands for decades of Umicore experience in electroforming with mandrels made of wax and metal.

For more than 30 years hollow jewellery has been produced worldwide with AURUNA® 568 EF-18. Among others, renown manufacturers produce creole earrings, pendants, brooches, chains, chain clasps and bangles, but also statues and watch parts with AURUNA® 568 EF-18.

The electrolyte convinces with layer thicknesses of 150 to 200 micrometer, a fine gold content of 18 ct and is easy to maintain. The weight distribution can be monitored within narrow pdf-row limits very closely.

Electrolyte characteristics

Electrolyte type	Alkaline-cyanide
Metal content	15 g/l Au, 3 g/l Ag
pH value	10.0 - 10.2 (at 45 °C)
Operating temperature	45 °C
Current density range	0.6 - 2.0 A/dm ²
Plating speed	Approx. 60 µm/h at 1.5 A/dm ²
Anode material	Pt-Ti (Typ PLATINODE® Pt/Ti)

Coating characteristics

Coating	Gold-silver
Alloy composition	77 wt. % Au 23 wt. % Ag



Caratage	Approx. 18.5 carats
Colour of deposit	Pale yellow
Brightness	Semi-bright
Hardness	220 HV
Max. coating thickness	Several 100 µm
Density of the coating	Approx. 15.8 g/cm ³

Advantages

- Gold-silver electrolyte for electroforming
- Suitable for cores made of wax and metal
- Layer thicknesses of 150 to 200 micrometer
- Observance of fineness and weight distribution within narrow pdf-row limits
- High hardness of about 220 HV

Applications

- Electroforming
- Hollow jewellery

Your contact person



Markus Legeler

Manager Sales International

T: +49 7171 607 204

F: +49 7171 607 316

markus.legeler@eu.umicore.com