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# ARGUNA<sup>®</sup> 621 EF

## BRIGHT SILVER ELECTROLYTE FOR ELECTROFORMING



### For Noble Silver Hollow Jewellery

ARGUNA<sup>®</sup> 621 EF is a silver electrolyte, especially to produce noble hollow jewellery. A layer with high thickness can be deposited on mandrels made conductive.

The electrolyte works with wax and metal cores. It can be used within a wide current density range and is suitable for relatively high temperature ranges (40 degrees Celsius).

Its good throwing power results in a uniform layer thickness distribution. The surfaces are bright and brilliant white, without blue cast and have a fineness of 99.9 percent silver.



### Advantages

- Bright silver electrolyte for producing hollow jewellery on wax and metal cores
- Suitable for relatively high temperature ranges (40 degrees Celsius)
- Surfaces are brilliant white
- Wide current density range
- Very good throwing power, therefore, uniform thickness distribution

### Applications

- Electroforming
- Hollow jewellery

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## BRIGHT SILVER ELECTROLYTE FOR ELECTROFORMING



### TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	Alkaline-cyanide	Coating	Fine silver
Metal content	40 (35 - 45) g/l Ag	Alloy composition	99.9 wt. % Ag
pH value	No control required	Colour of deposit	Brilliant white
Operating temperature	40 to max. 45 °C	Brightness	Bright
Current density range	1 - 2 A/dm <sup>2</sup>	Hardness of deposit HV 0.015 (Vickers) approx. values	85 - 185 HV
Plating speed	Approx. 0.6 µm/min at 1.0 A/dm <sup>2</sup> ; approx. 1.2 µm/min at 2.0 A/dm <sup>2</sup>	Max. coating thickness	Several 100 µm
Anode material	Fine silver	Density of the coating	Approx. 10.5 g/cm <sup>3</sup>

### 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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