



ARGUNA® 635

HARD SILVER ELECTROLYTE



For brilliant coatings

The silver electrolyte ARGUNA® 635 is used for the deposition of bright silver coatings for technical and decorative applications. Despite a low alloy content, a high hardness of up to 150 HV is possible and the coatings can be classified according to ASTMB700 type 2.

Compared to fine silver, the electrolyte impresses with improved abrasion behavior and increased vibration resistance. Depending on the working parameters, the electrolyte is suitable for continuous, rack and barrel processing. It can also be used to deposit thick coatings with a glossy finish.

The coatings have very good electrical properties and a permanently high coating hardness.



Advantages

- · Very good electrical properties
- · Permanent high hardness
- · Improved abrasion behavior
- · Suitable for rack and barrel products

Applications

- Connectors
- · Electrical contacts
- · Stressed silver surfaces



TECHNICAL SPECIFICATIONS

Electrolyte characteristics	
Electrolyte type	Alkaline-cyanide
Metal content	40 g/l Ag 50 g/l KCN
pH value	>13
Operating temperature	20 - 25 °C
Current density range Rack operation Barrel operation	0.5 - 5 A/dm² 0.5 - 2 A/dm²
Plating speed	1 μm in 1.5 min at 1 A/dm²

Coating characteristics	
Coating	Hard silver
Purity	approx. 99 wt.% Ag
Colour of deposit	white
Brightness	Bright, brilliant
Hardness of deposit Directly after plating After heat treatment	approx. 170 - 190 HV approx. 130 - 150 HV
Max. coating thickness	> 50 µm
Density	10.5 g/cm³

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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