

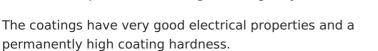


# ARGUNA® 635 Hard Silver Electrolyte

### 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.



#### **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	0.5 - 5 A/dm²
Current density range: Barrel operation	0.5 - 2 A/dm <sup>2</sup>
Plating speed	1 $\mu$ m in 1.5 min at 1 A/dm <sup>2</sup>

## Coating characteristics

Coating	Hard silver
Alloy composition	approx. 99 wt.% Ag
Colour of deposit	white /2



Bright, brilliant
Directly after plating: approx. 170 - 190 HV, After heat treatment: approx. 130 - 150 HV
> 50 µm
10.5 g/cm <sup>3</sup>

#### Advantages

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

#### Applications

- Connectors
- Electrical contacts
- Stressed silver surfaces

#### Your contact person



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