



ARGUNA® 629 Bright Silver Electrolyte

Electrolyte for bright white pure silver layers

The silver electrolyte ARGUNA® 629 deposits shiny, bright white coatings and is excellently suited for both technical and decorative applications. The electrolyte exhibits very good depth scattering and can also be used at higher temperatures. Furthermore, it convinces by a very wide working window. When depositing on nickel, no pre-silvering is necessary.

The bright silver electrolyte is suitable for both rack and barrel plating lines. The bright white deposited layers have no blue tint.



Electrolyte characteristics

Electrolyte type	alkaline cyanide
Metal content	30 g/l Ag 120 g/l KCN
pH value	12.0
Operating temperature	25 (18 - 40) °C
Current density range	0.5 - 4 A/dm ²
Plating speed	0.6 µm/min at 1 A/dm ² 2.5 µm/min at 4 A/dm ²
Deposition rate	67 mg/Amin

Coating characteristics

Coating	Pure silver
Purity	> 99.8 wt.% Ag
Colour of deposit	bright-white
Brightness	bright
Hardness of deposit	approx. 110 HV 0.025
Max. coating thickness	More than 100 µm
Density of the coating	10.5 g/cm ³

Advantages

- Can be used at higher temperatures
- Very bright white color
- High layer purity
- Wide applicable current density range
- Very good depth scattering
- High carbonate tolerance

Applications

- 5G
- High frequency technology
- Electrical contacts
- Jewelry

Your contact person



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