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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.



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

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TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	alkaline cyanide	Coating	Pure silver
Metal content	30 g/l Ag 120 g/l KCN	Purity	> 99.8 wt.% Ag
pH value	12.0	Colour of deposit	bright-white
Operating temperature	25 (18 - 40) °C	Brightness	bright
Current density range	0.5 - 4 A/dm ²	Hardness of deposit (Vickers)	approx. 110 HV 0.025
Plating speed	0.6 µm/min at 1 A/dm ² 2.5 µm/min at 4 A/dm ²	Max. coating thickness	More than 100 µm
Deposition rate	67 mg/Amin	Density	10.5 g/cm ³

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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Metal Deposition Solutions