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ARGUNA[®] 3230

CYANIDE-FREE FINE SILVER ELECTROLYTE



For deposition of fine silver layers

ARGUNA[®] 3230 is an alkaline, cyanide-free silver electrolyte for the deposition of technically functional silver layers. The layers are also suitable for decorative applications.

As the electrolyte does not contain any toxic cyanide compounds, it is therefore easier to use under the increasing environmental and safety requirements. Especially for the medical technology cyanide-free systems are often required.

The deposited layers are excellently suited for soldering and wire bonding applications as well as for electrical contacts e.g. in power electronics or high current technology.

ARGUNA[®] 3230 is ideal for rack and barrel applications. Copper materials can be coated directly, without pre-silver.



Advantages

- Cyanide-free, significantly reduced exposure to hazardous substances
- Excellent soldering and bonding
- Excellent electrical properties
- Ideal for rack and barrel coating

Applications

- Electrical assembly and connection technology
- Power Electronics
- Medical Technology

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TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	alkaline, cyanide free	Coating	Fine silver
Metal content	20 (18 - 22) g/l	Purity	>99 wt.% Ag
pH value	9.5 (9.2 - 9.8)	Colour of deposit	white
Operating temperature	50 (45 - 55) °C	Hardness of deposit HV 0.015 (Vickers) approx. values	90 - 100 HV in condition as deposited
Current density range	0.5 - 1.5 A/dm ²	Density	approx. 10.5 g/cm ³
Plating speed	1 µm in 1.5 min at 1.0 A/dm ²	Maximum coating thickness	Up to 10 µm bright depositions, Thicknesses > 10 µm semi-matt

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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