



AURUNA® 526 Barrel Gold-Plating Electrolyte

Excellent Layer Thickness Distribution

AURUNA® 526 is a weakly acidic gold-cobalt electrolyte with very good throw pdf-rowing power and layer thickness distribution, especially on hollow parts.

This makes the electrolyte perfect for use of bulk material in barrel and vibration coating facilities. The interiors of cases or sockets often need to be gold-plated. The excellent throw pdf-rowing power therefore very positively influences the layer thickness distribution between the interior and exterior surfaces. This optimum distribution means gold can be saved.

The deposited layers have very good wear resistance, low contact resistance and impressive corrosion resistance.



Electrolyte characteristics

Electrolyte type	Weakly acid
Metal content	4 g/l (2 - 5 g/l)
pH value	4.4 (4.0 - 4.6)
Operating temperature	Room temperature (20 °C up to max. 30 °C)
Current density range	0.3 A/dm ² (0.3 - 1 A/dm ²) barrel
Plating speed	approx. 50 mg (Amin)
Anode material	approx. 0.08 µm/min

Coating characteristics

Coating	Gold-cobalt (approx. 0.2 wt.% Co)
Hardness	approx. 160 HV 0.01
Abrasion resistance	Very good
Contact resistance	approx. 2 mΩ

Advantages

- Save gold due to optimal coverage of hollow parts
- Excellent throw pdf-rowing power
- Long-term stability in permanent operation
- Layers are classified in accordance with ASTM B-488-01: Type 1, Code C

Applications

- Bulk and barrel parts
- Pin, spring and plug contacts
- Contact sockets

Your contact person



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