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PLATUNA[®] N1

PLATINUM ELECTROLYTE



Very bright and white platinum coatings with PLATUNA[®] N1

The strongly acidic platinum electrolyte PLATUNA[®] N1 is used for the deposition of uniform, bright platinum coatings of light color up to 1 μm thickness.

The electrolyte has an extraordinary wide range of current density and allows voltage controlled working. It is also suitable for rack and barrel operation.



Advantages

- Acidic platinum electrolyte
- Bright, white and brilliant coatings
- For decorative applications
- Wide operating range
- Up to 1 μm layer thickness (crack-free)
- The coatings are RoHS compliant
- Suitable for rack and barrel

Applications

- Jewelry
- Writing implements
- Watches
- Spectacle frames
- Accessories

PLATUNA[®] N1

PLATINUM ELECTROLYTE

TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	Strongly acidic	Coating	Platinum
Metal content	2 (0,5 - 4) g/l	Purity	99,9 wt.% Pt
pH value	< 1	Color of deposit	white
Operating temperature	30 (25 - 40) °C	Brightness	brilliant
Current density range (depending on equipment)	1.5 (0.5 - 5.0) A/dm ²	Hardness of deposit HV 0.015 (Vickers) approx. values	unmeasurable, approx. 500 HV
Plating speed	approx. 0.08 µm/min at 1.5 A/dm ²	Max. coating thickness	1 µm
Anode material	platinized titanium anodes	Density	approx. 21 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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