

Electroplating

PLATUNA[®] N 1 PLATINUM ELECTROLYTE





Very bright and white platinum coatings with PLATUNA® N 1

The strongly acidic platinum electrolyte PLATUNA® N 1 is used for the deposition of uniform, bright platinum coatings of light color up to 1 μ m 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 brillant coatings
- For decorative applications
- Wide operating range
- Up to 1 µm layer thickness (crack-free)
- $\cdot\,$ The coatings are RoHS compliant
- Suitable for rack and barrel

Applications

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

PLATUNA[®] N 1 **PLATINUM ELECTROLYTE**

TECHNICAL SPECIFICATIONS

Electrolyte characteristics	
Electrolyte type	Strongly acidic
Metal content	2 (0,5 - 4) g/l
pH value	< 1
Operating temperature	30 (25 - 40) °C
Current density range (depending on equipment)	1.5 (0.5 - 5.0) A/dm ²
Plating speed	approx. 0.08 µm/min at 1.5 A/dm²
Anode material	platinized titanium anodes

Coating characteristics	
Coating	Platinum
Purity	99.9 wt.% Pt
Color of deposit	white
Brightness	brilliant
Hardness of deposit HV 0.015 (Vickers) approx. values	unmeasurable, approx. 500 HV
Max. coating thickness	1 µm
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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