

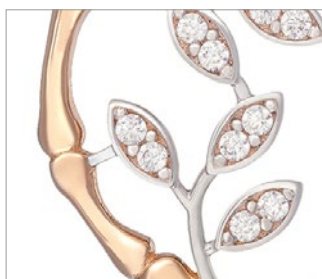


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RHODUNA[®] 271

RHODIUM ELECTROLYTE



Pen rhodium plating for abrasion resistant and bright coatings

With RHODUNA[®] 271, targeted, partial rhodium plating is possible with a pen plating unit. In this process, small surface elements of the article are rhodium-plated by means of direct current and by wiping contact with the tip of the pad. The process is mainly used to apply decorative patterns to jewelry, eyeglasses, etc.

Although decorative applications typically require layer thicknesses of 0.1 - 0.2 μm , the process also provides bright, pure white layers up to approx. 1 μm . RHODUNA[®] 271 is characterized by a particularly fast deposition rate and high deposition efficiency.



Advantages

- Abrasion-resistant, bright, brilliant coatings
- Up to 1 μm crack-free
- High coverage speed
- High deposition efficiency

Applications

- Jewelry
- Watches
- Writing utensils
- Spectacle frames
- Fittings

RHODUNA® 271

RHODIUM ELECTROLYTE

TECHNICAL SPECIFICATIONS

Electrolyte characteristics	
Electrolyte type	Strongly acidic
Metal content	2 g/l
pH value	< 1
Operating temperature	RT (20 - 40) °C
Voltage	3 - 30 volts
Plating speed	up to 0.2 µm/min

Coating characteristics	
Coating	Rhodium
Purity	99.9 wt.% Rh
Colour of deposit	White
Brightness	Bright, brilliant
Hardness of deposit HV 0.015 (Vickers) approx. values	approx. 800 HV

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.



Markus Legeler
Manager Sales International

Mail: markus.legeler@eu.umicore.com
Phone: +49 (0) 7171 607 - 204

