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AURUNA[®] 215 Pale

GOLD IRON INDIUM ELECTROLYTE



Proven electrolyte with new color scheme

AURUNA[®] 215 Pale is a colour gold alloy electrolyte for decorative applications, preferably for parts coming into contact with the skin such as jewelry and watches. The essential advantage of the coatings is their freedom from nickel and cobalt, excluding skin allergies caused by these metals.

The process has already been proven for many years. By changing the parameters, we can now also achieve a pale yellow color (1N). The weakly acidic gold electrolyte is easy to operate and suitable for rack and barrel.



Advantages

- Weakly acidic colour gold electrolyte
- Pale yellow coatings
- Colour-constant across a wide operating range
- Uniform colour
- For decorative applications
- Non-allergenic since free of nickel and cobalt
- The coatings are RoHS compliant
- Suitable for rack and barrel

Applications

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

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TECHNICAL SPECIFICATIONS

| Electrolyte characteristics | | Coating characteristics | |
|-----------------------------|--|--|--|
| Electrolyte type | weakly acidic | Coating | Gold iron indium |
| Metal content | 1.5 (1.3 - 1.7) g/l Au 0.5 (0.4 - 0.6) g/l Fe 1.0 (0.8 - 1.2) g/l In | Purity | approx. 96% Au approx. 3,5% Fe approx. 0,5% In |
| pH value | 4.0 (3.8 - 4.5) | Colour of deposit | pale yellow |
| Operating temperature | 45 (40 - 50) °C | Hardness of deposit HV 0.025 (Vickers) approx. values | approx. 220 HV |
| Current density range | 2.5 (2.0 - 3.0) A/dm ² | | |
| Deposition speed | approx. 0.11 µm/min at 2,5 A/dm ² | | |
| Deposition rate | approx. 7,8 mg/Amin at 2,5 A/dm ² | | |

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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