



Version: 24 March 2025



PALLUNA[®] 458

PURE PALLADIUM ELECTROLYTE



Neutral Pure Palladium Electrolyte Less Sensitive to Cyanide

PALLUNA[®] 458 is a neutral pure palladium electrolyte (pH-value 7.0) without free ammonia. It deposits bright, light white coatings low in pores.

Compared to previous palladium electrolytes, the process is characterized by a considerably higher tolerance to contamination with cyanide. Due to its excellent throwing power, expensive precious metal can be saved.

PALLUNA[®] 458 is suitable for decorative and technical applications, for rack and barrel operation.



Advantages

- Light white, pure palladium coatings
- Corrosion-resistant
- Ductile layers for decorative and technical applications
- Bright, low-pore coatings
- Crack-free layers > 3 µm possible
- Suitable for rack and barrel

Applications

- Jewellery
- Watches
- Semiconductors
- Printed circuit boards

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TECHNICAL SPECIFICATIONS

Electrolyte characteristics	
Electrolyte type	Neutral
Metal content	10 (9 - 11) g/l Pd
pH value	7.0 (6.8 - 7.2)
Operating temperature	50 (45 - 55) °C
Current density range	1.0 (0.5 - 1.5) A/dm ²
Plating speed	Approx. 0.25 µm/min at 1.0 A/dm ²
Anode material	MMO (type PLATINODE® 167)

Coating characteristics	
Coating	Pure Palladium
Purity	approx. 99.9 wt. % Pd
Colour of deposit	White light / bright
Brightness	Bright
Hardness of deposit HV 0.015 (Vickers) approx. values	300 - 350 HV
Max. coating thickness	3 µm, crack free
Density	Approx. 12 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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