

Metal deposits



Pallega[®] pure TS

Pure bright palladium layers of high ductility

The pure palladium process Pallega[®] pure TS is a weak alkaline electrolyte from which bright, decorative white levelled pure palladium layers can be deposited. Pallega[®] pure TS has been formulated to get crackfree and non porous layers. A typical field of application is the watch, bijou and optical frame production. Pallega[®] pure TS enables deposits of thicknesses above 5 microns with mirror bright finish, that is the reason why it can be used as an excellent corrosion protective nickel substitute.



Properties and benefits

- Bright deposits
- High purity
- Crack free
- ductile
- $L^* = 87, a = +1, b = +5$

Application area

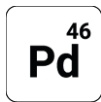
- Custom jewellery
- Optical frames
- Writing instruments
- Technical applications

Pallega pure TS_EE

our know-how
is your success

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Technical Data

Electrolyte parameters

Parameter	Range
Specific gravity	12 – 16°Bé/20 °C
pH-Value	8,8 – 9,1
Palladium	9 – 11 g/l
Temperature	20 – max. 30 °C
Agitation	Apporox. 4 cm/sec
Anodes	Mixed oxides
Cathodic current density	0,5 - 1,0 A/dm ²
Anodic current density	0,2 – 0,3 A/dm ²
Rate of deposition	approx. 4 Min/μm at 1 A/dm ² or 30 mg/Amin

Deposit characteristics

Appearance.....	silver grey
Purity.....	99,9 %
Specific gravity of the deposit.....	11,8 g/cm ³
Weight for 1 μm.....	ca. 120 mg/dm ²
Hardness.....	230 – 250 Hv ₂₀
Contact resistance.....	1,1 m Ohm

Products available

3475000.....	Pallega® pure TS Make up 7:10
3475500.....	Pallega® pure TS Replenisher 1
3475600.....	Pallega® pure TS Replenisher 2
3476100.....	Pallega® pure Wetting agent
3475800.....	Pallega® pure Density correcting salt
3475900.....	Pallega® Purification resin
3476000.....	Pallega® pure TS Addition agent PC
3474000.....	Pallega® Palladium solution 100

FOR ANY FURTHER INFORMATION WE WILL BE PLEASED TO BE AT YOUR DISPOSAL
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