

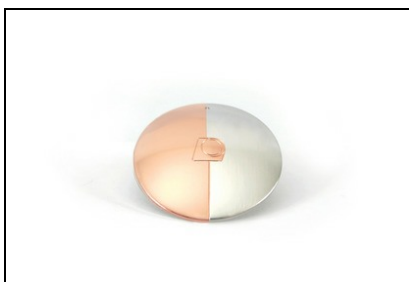
## Technical data sheet and product guideline



### GP03P

Pink gold pen plating solution

#### Color coordinates



L	<b>83.7</b>
a	<b>12.3</b>
b	<b>13.7</b>
c	<b>18.4</b>

#### Product form

Metal concentration	<b>0.3 g/ 100 ml</b>
Form	<b>Liquid</b>
Material color	<b>Blue</b>
Storage time	<b>2 years</b>
Format	<b>Ready to use</b>
Chemical type	<b>Cyanide based</b>
Volume	<b>100 ml</b>

#### Metal concentration

Metal	Range (g/l)	Optimal (g/l)
Gold	<b>30</b>	

#### Deposit data

Purity (%)	<b>99.999</b>
Hardness (HV 0,01)	<b>90 - 100</b>
Density (g/cm3)	<b>19.6</b>
Thickness (um)	<b>0.1 - 0.3</b>
Appearance	<b>Shiny</b>
Color	<b>Pink gold</b>

#### Preparation

GP03P is a ready-to-use pen plating solution at the concentration of 0.3 g/ 100 ml. No preparation is required.

#### Equipment

Power supply: Pen plating machine (5 Amp – 12 Volt rectifier)

Anode: A pen with a platinum collar

Tips: Fiber (white or brown)

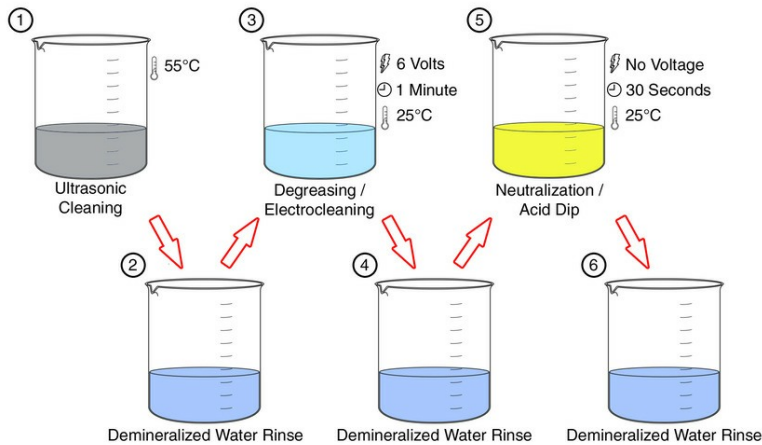
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### Pre treatment Cleansing procedure



### Bath maintenance

Use until the rhodium solution is completely exhausted without incorporating replenishment or additives.

### Post treatment

Electrolyte should be removed from the surface as quick as possible. Rinse off the bath rests in a recovery rinse (still rinse). Rinse the parts in running water and dry.

### Safety information

Being an acidic solution, the electrolyte is corrosive therefore is an irritant to the skin, eyes and mucous membranes. Caution should be exercised when using the product, avoiding contact with the eyes and skin. Use gloves and safety goggles. Keep away from cyanide based chemicals. For further information please refer to the relative MSDS.

### Product usage

In order to choose the right working voltage, please consider that the optimum range strongly depends about the kind of tips is intended to use with the pen:

- White tips: 9 -11 V
- Brown tips: 8 - 10 V
- PENGRAF: 6 - 8 V

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### Supplementary Information

#### TEMPERATURE

GP03P gives excellent performance at room temperature.

#### Disclaimer

*All recommendations and suggestions in this bulletin concerning the use of our products are based upon tests and data believed to be reliable. Since the actual use by others is beyond our control, no guarantee expressed or implied, is made by Legor Group, its subsidiaries or distributors, as to the effects of such use or results to be obtained, nor is any information to be construed as a recommendation to infringe any patent.*

#### Packaging

