

Resinates



RL Au A1118-24% H



Gold Resinate Solution / DPIS*

* Development Product Information Sheet

Description

RL AU A1118- 24% H is a liquid precious metal solution. It contains gold in form of dissolved organometallic compound.

Key Benefits

- Suitable to use as additive for thick film and organo-metallic pastes
- Free of lead, cadmium and nickel
- Free of phthalate
- REACH ¹ and RoHS ² compliant

Processing

1. When stored in a refrigerator allow product to come to room temperature prior to opening, to avoid condensation.
2. The solution is miscible with halogenated hydrocarbons, some higher alcohols (e.g. Terpineol), esters and ketones (e.g. Cyclohexanone). Not miscible with aliphatic and aromatic hydrocarbons, lower alcohols, esters and ketones.

Typical Properties (Solution)

Form:	Dark brown liquid
Viscosity:	100 - 300 mPas (25 °C, 50 rpm)
Chem. Characterization:	Gold sulforesinate in a mixture of organic solvents
Gold Content ³ :	24.0 ± 0.1 %
Calcinated Residue:	Corresponds to gold content
Coverage:	Not applicable
Shelf Life:	6 months from date of shipment with correct storage (in a dry, cool (5 – 25 °C) and dark place with container tightly shut)

Thinner

HVS 100
Toluene
Cyclohexanone

Resinates



RL Au A1118-24% H



Gold Resinate Solution / DPIS*

* Development Product Information Sheet

- 1 REACH compliant according to the latest ** Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency and its subsequent amendments; the material does not contain any substance listed in Annex XIV.
- 2 RoHS compliant according to the latest ** Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb)
- 3 Ash content measurement method: A balance with five digits after point is used. Between 0.5 – 1.0 g of material are weighted in a porcelain crucible (three porcelain crucibles are used). Thereafter cover with a small piece of ash free filter paper and fire in an electric kiln. Heating profile as follows: Heating up to 300 °C in 60 minutes than heating up to 800 °C in 15 minutes and hold this temperature 15 minutes long. Subsequently cool down naturally. Weight the residues and calculate the percentages. Any change of the b. m. parameters will induce different results.

** See the data sheet issue date (DD/MM/YY) as reference of validity of latest edition which is available on request.

The descriptions and engineering data shown here have been compiled by Heraeus using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for a particular application.

Heraeus Deutschland
 GmbH & Co. KG
 Heraeus Performance Products
 BL Precious Colours
 Heraeusstr. 12 – 14
 63450 Hanau, Germany
 E-Mail: preciouscolours@heraeus.com