

METALOR[®]**Data sheet for alloy****Au 100/401**

Division Watches and Jewelry

Colour **white**Code **401****General description**

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Physical propertiesSpecific gravity [g/cm³] **11.8**

Melting range [°C]

1065-1175**Mechanical properties****Annealed****20% cold
worked****50% cold
worked****Vickers hardness****[HV1]**

200

290

Yield hardness**Rm****[Mpa]**

650

1050

Elastic limit**Rp0.2****[MPa]**

480

900

Plastic elongation**A****[%]**

15

1

Processing guidelines**ANNEALING**

800 °C for 20 to 30 minutes then quenched in water. In order to avoid oxidation, work under reducing atmosphere.

COLD WORKING**SOLDERING**

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PICKLING

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