Material Data Sheet
for: (201) - Gold - Au-4N

1. Composition
   - Au group-metals: 99.99%
   - Au: 99.99%

2. Physical Properties
   - Melting point: 1063°C
   - Density: 19.3 g/cm³
   - Young's Modulus: 79 GPa
   - Colour: yellow
   - Linear Coeff. of thermal expansion (25-500°C): 15.3 x 10^-6 K^-1
   - Electrical resistivity (at 20°C): 2.31 μOhmcm

3. Mechanical Properties
   - Hardness HV5: 600°C/30/H2O
   - Tensile strength (Rm): 130 MPa
   - 0.2% Proof stress (Rp 0.2%): 25 MPa
   - Elongation: 45.0 %.

<table>
<thead>
<tr>
<th></th>
<th>soft</th>
<th>cold worked</th>
</tr>
</thead>
<tbody>
<tr>
<td>600°C/30/H2O</td>
<td>20</td>
<td>50%</td>
</tr>
<tr>
<td>220 MPa</td>
<td>25 MPa</td>
<td>4 %</td>
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4. Certification

Manufacture and delivery are constantly monitored according to the quality management system standard according to ISO 9001.

Cendres+Métaux SA

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