

### PtRh30

#### Pt-30%Rh

##### General information

Applications	thermocouples, heating elements, resistance thermometers, anemometers
Product Forms	wire
Density, g/cm <sup>3</sup>	17.6
Melting Range, °C	1920 - 1925

##### Forming Processes

Material Behaviour	limited ductility
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##### Mechanical Properties

Young's Modulus, GPa	276
Modulus of Rigidity, GPa	95
Hardness, HV	150 - 300
Tensile Strength, MPa	500 - 1000
Yield Strength, MPa	200 - 950
Elongation, %	> 25

##### Contact

www.heraeus-precious-metals.com | www.heraeus-precious-metals.com  
Heraeus Precious Metals GmbH & Co. KG | Heraeusstrasse 12-14 | 63450 | Hanau | Germany



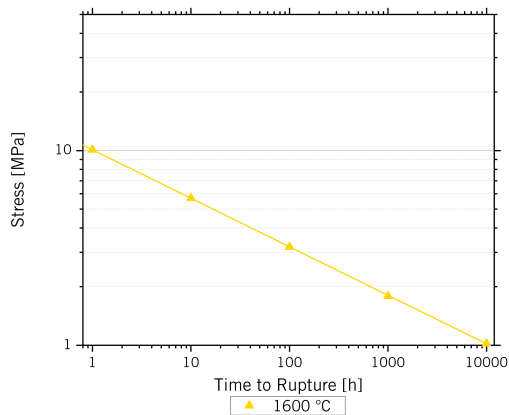
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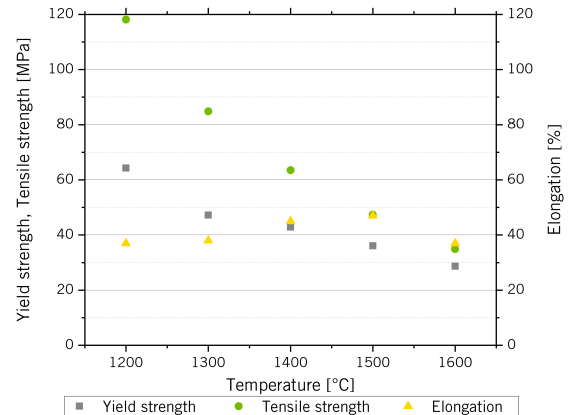
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##### Creep Rupture



source: measured and extrapolated

##### High Temperature Tensile Test



source: measured

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