

### 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
--------------------	-------------------

##### 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



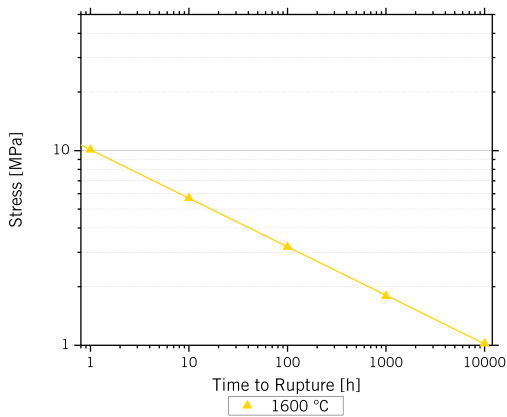
Looking for more data?

The information in this data sheet contains only general information on the use of our products or examples for their application. They do not release the customer from a careful inspection of the delivered product for its fitness for the customer's particular purpose of use. Any customer's special requests regarding the particular use of a product will only be authoritative if Heraeus has confirmed to the customer in writing at the time of conclusion of a corresponding contract that the product delivered is fit for the customer's intended use. Heraeus, therefore, does not guarantee the correctness and completeness of the information regarding the customer's intended use. The customer's purchase will be governed exclusively by the written order confirmation of Heraeus and the Heraeus General Terms of Sale and Delivery, which are available at www.heraeus.com/gtc. This data sheet may be subject to changes at any time.

### PtRh30

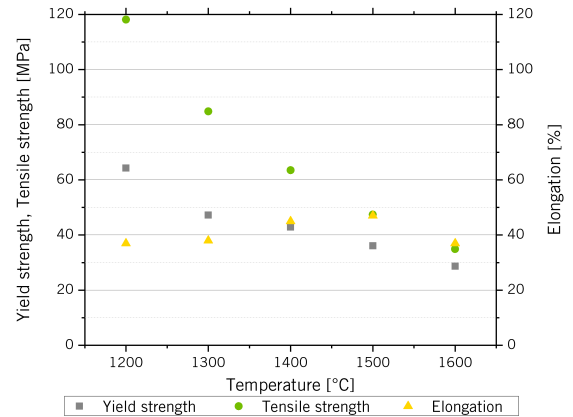
#### Pt-30%Rh

##### Creep Rupture



source: measured and extrapolated

##### High Temperature Tensile Test



source: measured

##### Contact

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



Looking for more data?

The information in this data sheet contains only general information on the use of our products or examples for their application. They do not release the customer from a careful inspection of the delivered product for its fitness for the customer's particular purpose of use. Any customer's special requests regarding the particular use of a product will only be authoritative if Heraeus has confirmed to the customer in writing at the time of conclusion of a corresponding contract that the product delivered is fit for the customer's intended use. Heraeus, therefore, does not guarantee the correctness and completeness of the information regarding the customer's intended use. The customer's purchase will be governed exclusively by the written order confirmation of Heraeus and the Heraeus General Terms of Sale and Delivery, which are available at [www.heraeus.com/gtc](http://www.heraeus.com/gtc). This data sheet may be subject to changes at any time.