

### PtRh20

#### Pt-20%Rh

##### General information

Applications	glass fibre bushings, semi-finished products, glass manufacturing, drain bushings
Product Forms	sheet, tube, wire
Density, g/cm <sup>3</sup>	18.79
Melting Range, °C	1870 - 1910

##### Forming Processes

Material Behaviour	ductile
Forming Process	machinable, formable

##### Mechanical Properties

Young's Modulus, GPa	246
Modulus of Rigidity, GPa	92
Hardness, HV	113 - 273
Tensile Strength, MPa	380 - 940
Yield Strength, MPa	110 - 920
Elongation, %	2 - 30

##### Contact

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 Heraeus Precious Metals GmbH & Co. KG | Heraeusstrasse 12-14 | 63450 | Hanau | Germany



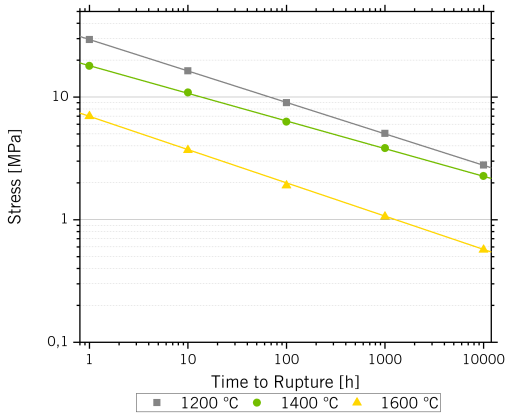
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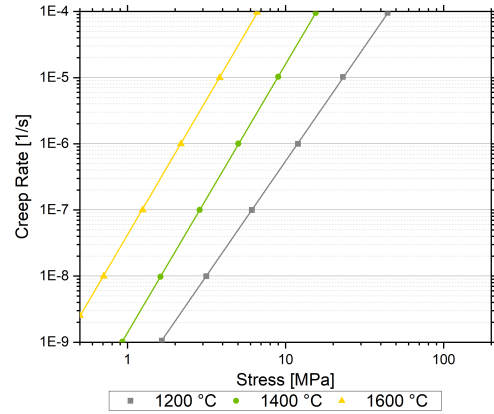
### Pt-20%Rh

#### Creep Rupture



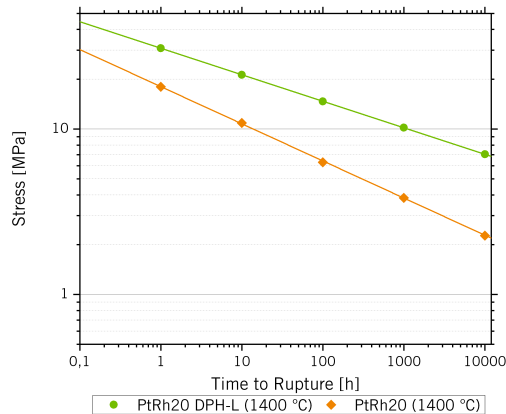
source: measured and extrapolated

#### Norton



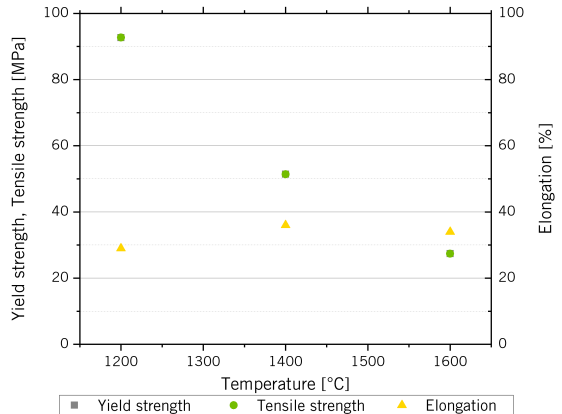
source: measured and extrapolated

#### Creep Rupture – Comparison



source: measured and extrapolated

#### High Temperature Tensile Test



source: measured

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