

PtRh10

Pt-10%Rh

General information

Applications	glass manufacturing, drain bushings, semi-finished products, glass fibre bushings
Product Forms	sheet, wire, tube
Density, g/cm ³	20
Melting Range, °C	1840 - 1870

Forming Processes

Material Behaviour	ductile
Forming Process	can be roll clad, formable, machinable

Mechanical Properties

Young's Modulus, GPa	208
Modulus of Rigidity, GPa	72
Hardness, HV	102 - 204
Tensile Strength, MPa	300 - 680
Yield Strength, MPa	180 - 670
Elongation, %	1.5 - 32

Contact

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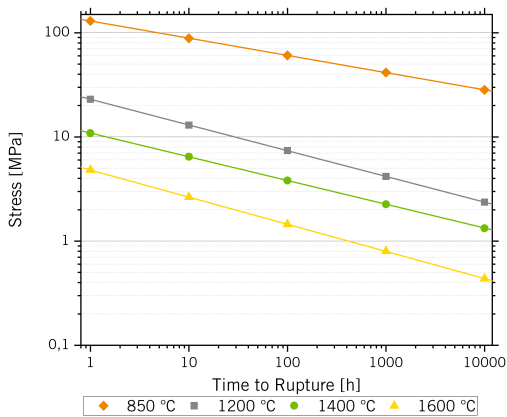
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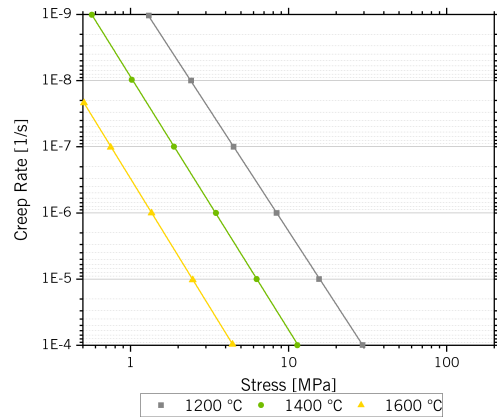
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Creep Rupture



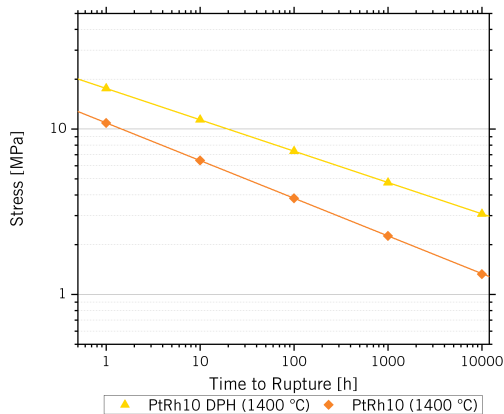
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Norton



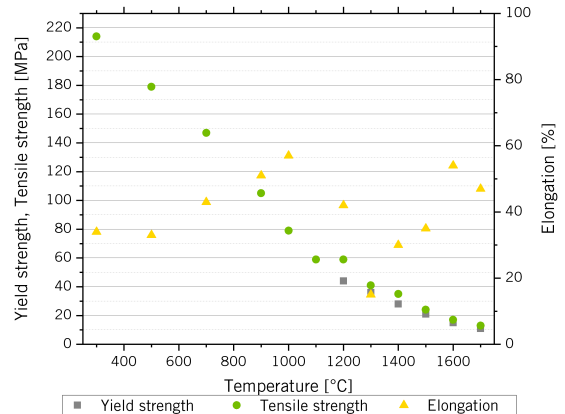
source: measured and extrapolated

Creep Rupture – Comparison



source: measured and extrapolated

High Temperature Tensile Test



source: measured

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