

PtRh5

Pt-5%Rh

General information

Applications	semi-finished products, glass manufacturing, glass fibre bushings, drain bushings
Product Forms	wire, sheet, tube
Density, g/cm ³	20.7
Melting Range, °C	1810 - 1820

Forming Processes

Material Behaviour	ductile
Forming Process	formable, machinable

Mechanical Properties

Young's Modulus, GPa	190
Modulus of Rigidity, GPa	65
Hardness, HV	70 - 130
Tensile Strength, MPa	230 - 530
Yield Strength, MPa	114 - 450
Elongation, %	2 - 25

Contact

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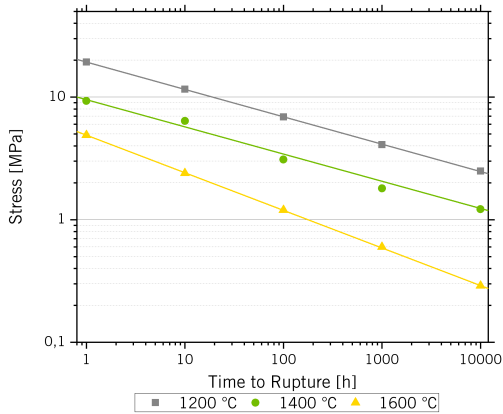
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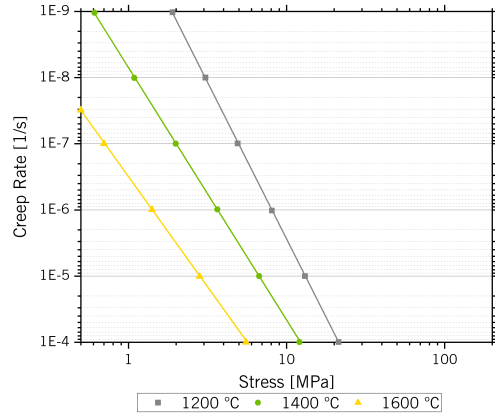
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Creep Rupture



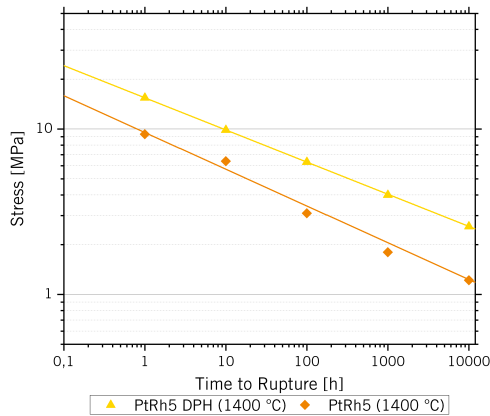
source: measured and extrapolated

Norton



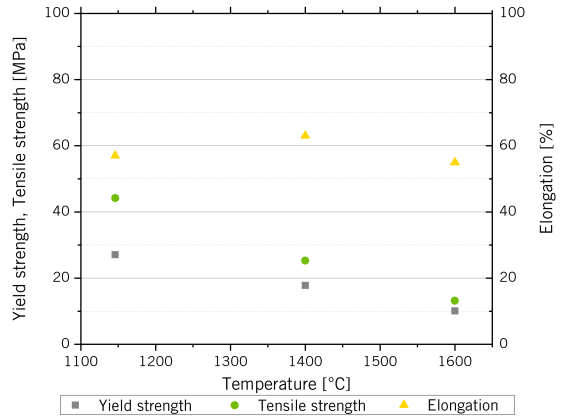
source: measured and extrapolated

Creep Rupture – Comparison



source: measured and extrapolated

High Temperature Tensile Test



source: measured

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