

Environment	Evaluation
Inert gas, reducing atmosphere	Stable up to 2.320 °C
Oxidizing atmosphere	Resistant up to 1.650 °C, above 1.000 °C formation of protective layer of silica
Hydrogen	Stable below 1.430 °C, > 1.430 °C appreciable attack
Water vapor	Stable below 1.150 °C, > 1.150 °C some reaction
Acids, diluted and concentrated H ₃ PO ₄ HF/HNO ₃	Resistant at RT and elevated temperatures Some attack Appreciable attack
Potassium hydroxide solution	Appreciable attack
Molten sodium and potassium hydroxides	Appreciable attack > 500 °C
Fused sodium carbonate	Appreciable attack > 900 °C