

HIGH TEMPERATURE / CORROSION RESISTANT ALLOYS

TUNGSTEN

DENSITY: 19.3 gm/cc

MELTING POINT: 3410 C

RE CRYSTALLATION TEMPERATURE: 1200 – 1400 C

TUNGSTEN CHEMICAL COMPOSITION

TUNGSTEN (W)	99.95
CARBON (C)	0.010
OXYGEN (O)	0.010
NITROGEN (N)	0.010
IRON (FE)	0.010
NICKEL (NI)	0.010
SILICON (SI)	0.010

PERMISSIBLE VARIATIONS IN CHECK ANALYSIS %

TUNGSTEN (W)	+/- 0.002
CARBON (C)	+ 10% RELATIVE
OXYGEN (O)	+0.005
NITROGEN (N)	+0.001
IRON (FE)	+0.001
NICKEL (NI)	+0.001
SILICON (SI)	+0.001

future alloys

