



HIGH TEMPERATURE / CORROSION
RESISTANT ALLOYS

COMMERCIALLY PURE TITANIUM GRADES
1 / 2 / 4

COMMERCIALLY PURE
TITANIUM GRADE 1

HARDNESS RB 70

TITANIUM GRADE 1 CHEMICAL COMPOSITION

CARBON (C)	0.08
IRON (FE)	0.20
NITROGEN (N)	0.03
OXYGEN (O)	0.18
HYDROGEN (H)	0.015
TITANIUM (TI)	BALANCE
COPPER (CU)	0.50 MAX.

TITANIUM GRADE 1 ANNEALED PROPERTIES (MIN)

TENSILE (PSI)	35,000
YIELD (psi)	25,000
ELONGATION %(2")	24
REDUCTION OF AREA	30

COMMERCIALY PURE TITANIUM GRADE 2

HARDNESS RB 80

TITANIUM GRADE 2 CHEMICAL COMPOSITION

CARBON (C)	0.08
IRON (FE)	0.25
NITROGEN (N)	0.03
OXYGEN (O)	0.20
HYDROGEN (H)	0.015
TITANIUM (TI)	BALANCE
COPPER (CU)	0.50 MAX.

TITANIUM GRADE 2 ANNEALED PROPERTIES (MIN)

TENSILE (PSI)	50,000
YIELD (psi)	40,000
ELONGATION %(2")	20
REDUCTION OF AREA	30

COMMERCIALLY PURE TITANIUM GRADE 4

HARDNESS RB 100

TITANIUM GRADE 4 CHEMICAL COMPOSITION

CARBON (C)	0.08
IRON (FE)	0.50
NITROGEN (N)	0.05
OXYGEN (O)	0.40
HYDROGEN (H)	0.015
TITANIUM (TI)	BALANCE

TITANIUM GRADE 4 ANNEALED PROPERTIES (MIN)

TENSILE (PSI)	80,000
YIELD (psi)	70,000
ELONGATION %(2")	15
REDUCTION OF AREA	25