

Products & Sizes

Coil	Sheet	Plate
0.012" - 0.080"	0.012" - 0.080"	0.250" - 0.625"

CP Grade 4 Chemical Composition

	Element	Min	Max
N	Nitrogen	-	0.05
C	Carbon	-	0.08
O	Oxygen	-	0.4
Fe	Iron	-	0.5
H	Hydrogen	-	0.015
Ti	Titanium	-	Balance
-	Other	-	0.4

Industry Standards

- ASM/MIL-81200
- DFARS Compliant

Industry Applications

- Jet Engine Components
- Aerospace Fasteners
- Marine and Chemical Processing and Desalinization Plants
- Corrosive Waste Disposal Wells
- Pulp and Paper Production

Related Industries

Aerospace

Medical

Defense

Oil & Gas

Fastener

Space

Physical Properties

Property	T (°F)	T (°C)	Value	Value (SI)
Density	-	-	0.1630 lb/in ³	4.512 g/cm ³
Beta Transus	1715-1765	935-653	-	-
Alpha Transus	1635-1685	891-918	-	-
Melting Point (Liquidous)	3000-3040	1649-1671	-	-
Specific Heat	73	23°F	0.1250 Btu/°F	-
Electrical Resistivity	73	23°F	3.93 μΩ·in	0.100 μΩ·in
Modulus of Elasticity	-	-	15.0 x 10 ³ ksi	10.3 x 104 MPa

Mechanical Properties

Room Temperature Properties	UTS, ksi (MPa)	YS, ksi (MPa)	% El	% RA
Specified Properties	80 (550)	70 (480)	15	30
Typical Properties	95-100 (655-690)	70-92 (480-635)	20-25	38-51