

Products & Sizes

Coil	Sheet
0.012" - 0.063"	0.012" - 0.063"

CP Grade 3 Chemical Composition

	Element	Min	Max
N	Nitrogen	-	0.05
C	Carbon	-	0.08
O	Oxygen	-	0.35
Fe	Iron	-	0.30
H	Hydrogen	-	0.015
Ti	Titanium	-	Remainder
-	Res. Each	-	0.1
-	Res. Total	-	0.4

Industry Standards

- DFARS Compliant

Industry Applications

- Aerospace Structures
- Chemical Processing
- Medical Industry
- Marine Industry

Related Industries

Aerospace

Medical

Defense

Oil & Gas

Fastener

Space

Physical Properties

Physical Property	T (°F)	T (°C)	Value	Value (SI)
Density	-	-	0.1630 lb/in ³	4.512 g/cm ³
Beta Transus	1690	-	-	-
Thermal Conductivity	-	-	151.2 Btu-in/hr ft ² - °F	-
Electrical Resistivity	-	-	21 μΩ·in	.53 μΩ·m
Magnetic Permeability	-	-	Nonmagnetic	
Mean Coefficient of	68-212	20-100	4.8x10 ⁻⁶ in in ⁻¹ °F ⁻¹	8.6x10 ⁻⁶ m m ⁻¹ °C ⁻¹
Thermal Expansion	68-572	20-300	5.3x10 ⁻⁶ in in ⁻¹ °F ⁻¹	9.5x10 ⁻⁶ m m ⁻¹ °C ⁻¹
	68-932	20-500	5.4x10 ⁻⁶ in in ⁻¹ °F ⁻¹	9.7x10 ⁻⁶ m m ⁻¹ °C ⁻¹
Elastic Modulus	-	-	15.2-17.4 Msi	-

Mechanical Properties

UTS, ksi (MPa)	.02% YS, ksi (MPa)	%EI	%RA
85 (595)	65 (450)	25	48