

Products & Sizes

Plate

0.1875" - 2.500"

440C Chemical Composition

	Element	Min	Max
C	Carbon	-	1.20
Cr	Chromium	-	18.0
Mn	Manganese	-	1.0
Mo	Molybdenum	-	0.75
P	Phosphorus	-	0.04
Si	Silicon	-	1.0
S	Sulfur	-	0.030

Industry Standards

- DFARS Compliant

Industry Applications

- Cutting Instruments
- Knife Blades
- Surgical Instruments
- Chisels
- Measuring instruments
- Ball Bearings and Valves

Related Industries

[Aerospace](#)
[Defense](#)
[Semiconductor](#)
[Space](#)

Physical Properties

Property	Value
Density	7650 kg/cm ³
Thermal Conductivity at 212°F (100°C)	24.2
Electrical Resistivity	600
Elastic Modulus	200 GPa

Mechanical Properties

Property	Value
Yield Strength 0.2% Proof	448 Mpa
Tensile Strength	75 MPa
Elongation Percent in 50mm	14
Hardness (HB)	269 max