

*Fatigue Strength: 100 x 10⁶ cycles,
unless indicated as [N]X 106.

Physical Properties

<>	US Customary	Metric
Melting Point - Liquidus	1616 F	880 C
Melting Point - Solidus	1583 F	862 C
Density	0.301 lb/in ³ at 68 F	8.33 gm/cm ³ @ 20 C
Specific Gravity	8.33	8.33
Electrical Resistivity	47.0 ohms-cmil/ft @ 68 F	7.81 microhm-cm @ 20 C
Electrical Conductivity	22 %IACS @ 68 F	0.128 MegaSiemens/cm @ 20 C
Thermal Conductivity	49.6 Btu · ft/(hr · ft ² ·oF)at 68F	85.8 W/m · oK at 20 C
Coefficient of Thermal Expansion	11.3 ·10 ⁻⁶ per oF (68-212 F)	20.3 ·10 ⁻⁶ per oC (20-100 C)
Specific Heat Capacity	0.09 Btu/lb/oF at 68 F	377.1 J/kg · oK at 293 K
Modulus of Elasticity in Tension	15000 ksi	103400 MPa
Magnetic Permeability*	1.09	1.09

*Field Strength 16kA/m

Tempers Most Commonly Used No information available.

Typical Uses

Automotive

Weld Guns

Builders Hardware

Brackets

Electrical

Electrical Hardware

Industrial

Machinery Parts (Substituted for Steel and Malleable Iron), Pressing Dies for Wood Pulp, Gears, Machinery Parts requiring High Strength, Frames, Hooks, Wear Rings for Pressing Dies for Wood Pulp Industry, Forming Dies for Wood Pulp Industry, Compressors, Lever Arms, Machinery, Struts

Marine

Boat Parts, Covers for Marine Hardware, Rudders, Clamps, Propellers for salt and fresh water

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