



\*Fatigue Strength: 100 x 10<sup>6</sup> cycles,  
unless indicated as [N]X 10<sup>6</sup>.

Physical Properties

<>	US Customary	Metric
Melting Point - Liquidus	1830 F	999 C
Melting Point - Solidus	1570 F	854 C
Density	0.315 lb/in <sup>3</sup> at 68 F	8.72 gm/cm <sup>3</sup> @ 20 C
Specific Gravity	8.72	8.72
Electrical Resistivity	94.0 ohms-cmil/ft @ 68 F	15.63 microhm-cm @ 20 C
Electrical Conductivity	11 %IACS @ 68 F	0.064 MegaSiemens/cm @ 20 C
Thermal Conductivity	43.2 Btu · ft/(hr · ft <sup>2</sup> ·oF)at 68F	74.8 W/m · oK at 20 C
Coefficient of Thermal Expansion	11.0 ·10 <sup>-6</sup> per oF (68-572 F)	19.8 ·10 <sup>-6</sup> per oC (20-300 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	1.0	1.0

**Temper Most Commonly Used** No information available.

**Typical Uses**

**Builders Hardware**

Clamps

**Building**

Heavy Construction Equipment

**Electrical**

Connectors

**Fasteners**

Nuts

**Industrial**

Pump Bodies, Valves, Gears, Piston Rings, Pump Impellers, Bushings, Bearings, Worm Gears, Expansion Bearings, Gear Blanks, Finishing Dies for Wood Pulp Industry, Valve Bodies, Seal Rings

**Plumbing**

Water Conditioners, Steam Fittings

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