

	0.0			20	207	83	-	-	15	-	-	-	-	-	-	0.0
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*Fatigue Strength: 100 x 10⁶ cycles,
unless indicated as [N]X 10⁶.

Physical Properties

<>	US Customary	Metric
Melting Point - Liquidus	1705 F	929 C
Melting Point - Solidus	1403 F	762 C
Incipient Melting	600 F	316 C
Density	0.32 lb/in ³ at 68 F	8.86 gm/cm ³ @ 20 C
Specific Gravity	8.86	8.86
Electrical Resistivity	102.0 ohms-cmil/ft @ 68 F	16.95 microhm-cm @ 20 C
Electrical Conductivity	10 %IACS @ 68 F	0.059 MegaSiemens/cm @ 20 C
Thermal Conductivity	27.1 Btu · ft/(hr · ft ² ·oF)at 68F	46.9 W/m · oK at 20 C
Coefficient of Thermal Expansion	10.3 · 10 ⁻⁶ per oF (68-392 F)	18.5 · 10 ⁻⁶ per oC (20-200 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	11000 ksi	75800 MPa
Magnetic Permeability	1.0	1.0

Tempers Most Commonly Used No information available.

Typical Uses

Builders Hardware

Brackets

Fasteners

Washers for Engines, Nuts

Industrial

Crank Shafts, Bushings, Machine Parts, High Speed, Heavy Load Bearings, Pumps, Pressure Tight Castings, Impellers, Corrosion Resistant Castings, Bushings for high speed and heavy pressure., Applications Requiring Acid Resistance to Sulphite Fluids, Bearings, Bearing Plates, Parts for Steel Mill Maintenance, Slide Guides for Steel Mills

Marine

Large Bearings for Ships

The above data used by permission from the **Copper Development Association Inc.** A complete Description of all UNS Copper Alloys is available at www.copper.org