

As Continuous Cast																	
M07	0.0	0	SMIN	68	36	19	-	-	15	-	-	-	-	-	-	-	0.0
	0.0			20	248	131	-	-	15	-	-	-	-	-	-	-	0.0
As Sand Cast																	
M01	0.0	0	SMIN	68	30	14	-	-	20	-	-	-	-	-	-	-	0.0
	0.0			20	205	97	-	-	20	-	-	-	-	-	-	-	0.0

*Fatigue Strength: 100 x 10 6cycles,
unless indicated as [N]X 106.

Physical Properties

<>	US Customary	Metric
Melting Point - Liquidus	1850 F	1010 C
Melting Point - Solidus	1570 F	854 C
Density	0.318 lb/in ³ at 68 F	8.83 gm/cm ³ @ 20 C
Specific Gravity	8.83	8.83
Electrical Resistivity	69.1 ohms-cmil/ft @ 68 F	11.49 microhm-cm @ 20 C
Electrical Conductivity	15 % IACS @ 68 F	0.087 MegaSiemens/cm @ 20 C
Thermal Conductivity	41.6 Btu · ft/(hr · ft ² ·oF) at 68 F	72.0 W/m · oK at 20 C
Coefficient of Thermal Expansion	10.0 · 10 ⁻⁶ per oF (68-392 F)	18.0 · 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	13500 ksi	93100 MPa
Magnetic Permeability	1.0	1.0

Tempers Most Commonly Used No information available.

Typical Uses

Architecture

Ornamental Fixtures

Builders Hardware

Hardware

Building

Lightning Protection, Heating Equipment, Cooling Equipment, Trowels for Cement Working

Electrical

Electrical Hardware, Switches, Electrical Equipment

Fasteners

Large Hold Down Screws

Industrial

Handles for Dental Equipment, Air Actuators, Valve Bodies, Valves, Bushings, Pump Parts, Pumps, Valve Bodies, Impellers, Pump Fixtures, Couplings, Valves, Transducer Housings, Valve Bodies for the Water Meter Industry, Valves for the Water Meter Industry, Pumps, Low Pressure Valves, Small Gears, Bearings, Bearing Segments for Steel Industry, Pressure Blocks for Steel Industry, Rings, Printing Presses, Furnaces

Marine

Marine Products, Parts for Boats

Plumbing

Faucets, Fixtures, Pipe Fittings

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