



C15500

Chemical Composition

(%max., unless shown as range or min.)

	Cu ⁽¹⁾	Mg	P	Ag
Min./Max.	99.75 min	.08-.13	.040-.080	.027-.10
Nominal	-	0.11	0.06	0.064

(1) Cu value includes Ag.

(2) In troy ounce: Min = 8, Max = 30 and Nom = 19

Applicable Specifications

Product	Specification
Strip	ASTM B88

Common Fabrication Processes

Bending, Blanking, Drawing, Etching, Forming, Machining, Shearing, Spinning

Millard Wire & Specialty Strip Co.

449 Warwick Industrial Drive • Warwick, RI 02886

Phone: (401) 737-9330 • Fax: (401) 737-9340



Fabrication Properties

Joining Technique	Suitability
Soldering	Excellent
Brazing	Excellent
Oxyacetylene Welding	Not Recommended
Gas Shielded Arc Welding	Not Recommended
Coated Metal Arc Welding	Not Recommended
Spot Weld	Good
Seam Weld	Not Recommended
Butt Weld	Not Recommended
Capacity for Being Cold Worked	Excellent
Capacity for Being Hot Formed	Excellent
Forgeability Rating	65
Machinability Rating	20

Thermal Properties

Treatment	Temp./Time – US	Temp./Time – SI
Stress Temperature		
Solution Minimum		
Solution Maximum		
Solution Time		
Solution Medium	None	
Precipitation Value		
Precipitation Time		
Precipitation Medium	None	
Annealing Minimum	900	483
Annealing Maximum	1000	538
Annealing Time		
Hot Works Minimum	1400	761
Hot Works Maximum	1600	872



Tempers Most Commonly Used

Flat Products	
BAR, ROLLED	H01, O50
PLATE	H01, O50
SHEET	H01, H02, H04, H06, H08, H10, O50, OTHER
STRIP, ROLLED	H01, H02, H04, H06, H08, H10, O50, OTHER

Typical Uses

Electrical

Commutators for Electric Motors, Flexing Switch Parts, Tinsel Wire, Wire, High Strength for Aircraft Hook Up, Contacts, Fittings, Electronic Components, Conductors in Solid State Devices, Electrical Connectors, Lead Frames

Fasteners

Clamps

Industrial

Diaphragms, Heat Sinks, Resistance Welding Electrodes, High Conductivity, Light Duty Springs

Casting Characteristics

No casting characteristics for this alloy.