

HM Wire International, Inc.

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Alloy 210 - Gilding Brass

Applications: Typically used for industrial and engineering applications; fasteners, electrical equipment, metal base for coins, costume jewelry, medallions and ornamental trim.

Nominal Composition:	Cu%	Zn%
	95.0%	5.0%

Physical Properties

	English Units	Metric Units
Melting Point, Liquidus	1950°F	1065°C
Melting Point, Solidus	1920°F	1050°C
Density	0.320lb/cu in @ 68°F	
Coefficient of Thermal Expansion per °F	1 x 10 ⁻⁵ (68-572°F)	
Thermal Conductivity	137 Btu/ft ² /ft.hr/°F @ 68°F	
Modulus of Elasticity - Tension	17,000 ksi	
Modulus of Rigidity	6,400 ksi	
Electrical Conductivity at 68 °F	56% IACS (annealed; lower in hard temper)	

Mechanical Properties - Flat products, 1 mm thick

Temper	Tensile Strength psi	Elongation in 50 mm (2 in.), %
Hard	74,000	2
Soft	40,000	42

*To be used as a guideline only.

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