

HM Wire International, Inc.

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REQUEST
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QUOTATION

Alloy 280 - Muntz Metal

Description: Alloy 280 is referred as Muntz Metal, and the color is what is important for this metal, which essentially is architectural bronze.

Applications: panels, large sheet and trim, large nuts and bolts, condenser plates.

Composition Limits:	Cu%	Zn%	Pb%	Fe%
	59 -63%	Balance	0.09% Max	0.07% Max
Nominal Composition:	Cu%	Zn%	Pb%	Fe%
	60%	40%	-	-

Physical Properties

	English Units
Poisson's Ratio	0.34
Tensile Strength	70 ksi
Density	0.303 lb/cu in @ 68°F
Thermal Conductivity	71 BTU ft/sq ft-hr-°F @ 68°F
Coefficient of Thermal Expansion	0.0000116 per °F (68 - 572°F)
Yield Strength	50 ksi
Electrical Conductivity, Annealed	28% I.A.C.S
Thermal Capacity (Specific Heat)	0.09 BTU/lb-°F @ 68°F
Elongation (in 2")	10%
Melting Point	1650°F
Hardness (Rockwell B Scale)	75%
Modulus of Elasticity (Tension)	15,000 ksi

*To be used as a guideline only.

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