

Commercial Name : Muntz Metal

Typical uses in decoration, as architectural panel sheets: structural, as heavy plate: bolting and valve stems; tubing for heat exchangers: brazing rod, hot forgings.

Reference Standard:

JIS: C2801-H

DIN: 17660 / 2.0360

ASTM: C28000

GMSL: CuZn40

Chemical Composition:		(% By Weight)
A	Copper	59-62%
B	Lead	0.1% Max.
C	Iron	0.07% Max.
D	Zinc	Rem.

Physical Properties:		Units
A	Density	8.39 g/cm ³
B	Thermal Conductivity	123 W/m
C	Electrical Resistivity	61.6 nΩ
D	Electrical Conductivity (annealed)	28%
E	Electrical Conductivity (rolled)	26%
F	Modulus of Elasticity	105 Gpa
G	Coeff. of Thermal Expansion	20.8 μm/m at 20° C to 300° C

Applications:

- Keys
- Lugs
- Battery Terminals

Surface Characteristics:

Surface Appearance : Both surfaces smooth, shiny without obvious scores and / or scratches that compromise the aesthetic quality of the finished product. Edge Finish is well trimmed, with no burrs, flakes or lateral deformation on the wap.

Mechanical Properties:

Alloy No.	Temper Condition	Code	Tensile Strength (N/mm ²)	Extruding Rate (%)	Bending Test			Hardness Test	
					Thickness (mm)	Bending Angle	Inner Radius	Thickness (mm)	Vickers Hardness (HV)
(C2801) CuZn40	O	C2801.P-O	over 325	over 35	under 2	180°	Thickness x1	-	-
		C2801.R-O		over 40					
		C2801.P-1/4H		over 35					
		C2801.R-1/4H		over 40					
	1/4H	C2801.P-1/4H	355~440	over 25	under 2	180°	Thickness x1	over 0.3	85~145
		C2801.R-1/4H							
	1/2H	C2801.P-1/2H	410~490	over 15	under 2	180°	Thickness x1	over 0.3	105~160
		C2801.R-1/2H							
H	C2801.P-H	over 470	-	under 2	180°	Thickness x1	over 0.3	over 130	
	C2801.R-H								

Gupta Metal Sheets Ltd is an India based IATF 16949:2016 / ISO 9001:2015 certified company manufacturing non-ferrous rolled semis since 1989.

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