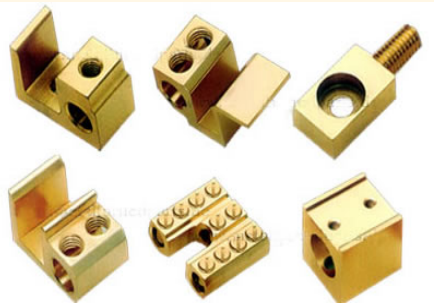
JIS C2801

C28000
CuZn40
CW617N

AMWL offers a wide range of brass rolled products in the form of Foils, Strips, Sheets and circles/discs to meet our customeros needs for industrial manufacturing. .

60/40 Characteristics

CuZn40 is an economical brass alloy with high Zinc content, good forming properties and medium strength.



Alloy Name	
UNS	C28000
IS/ISO	CuZn40
DIN CEN/TS 13388	CW617N

This alloy is as per RoHS specification

Chemical Composition	Weight percentage
Cu	58.5 - 62.0 %
Pb	
Fe	¡Ü 0.1 %
Zn	Remainder %
Total Impurity	< 0.75 %

Main Applications

Industrial :	Locks, Metal Fittings, Keys.
Architecture :	Decoration, Hardware,Door Frames, Large Architectural Trim,Large sheet.

Physical Properties Typical values in annealed temper at 20 Â°C

Density	8.41	g/cm3
Thermal expansion coefficient -191 .. 16	20.3	10-6/K
0 .. 300°C	21.0	10-6/K
Specific heat capacity	0.375	J/(g·K)
Thermal conductivity	117	W/(m·K)
Electrical conductivity (1 MS/m = 1 m/(O mmÂ²)	¡Ý 15	MS/m
Electrical conductivity (IACS)	26	%
Thermal coefficient of electrical resistance (0 .. 200 C)	1.7	10-3/K
Modulus of elasticity (1 GPa = 1 kN/mmÂ²) cold formed	99....115	GPa
	102	GPa

Mechanical Properties (EN 1652)

Temper	Tensile Strength Rm MPa(N/mm2)	Yield Strength Rp0.2 MPa(N/mm2)	Elongation Minimum A50mm %	Hardness HV
O (Soft)	275 Min	----------	35 Min	85 Max
HB (Half Hard)	420 Min	----------	15 Min	100 Min
HD (Half Hard)	490 Min	----------	5 Min	125 Min
HE (Extra Hard)	525 Min	----------		165 Min