



Thickness Range : 2.5mm to 0.05mm Width Range : 8mm to 400mm Surface Roughness: 0.15 to 0.25 Ra Scale Coil Weight : 8Kgs/mm width..

70/30 Characteristics

CuZn30 Brass has outstanding deep drawing properties and hence is called deep-draw or cartridge brass. It has good forming properties & mechanical strength.



Alloy Name

AMW-25	CuZn30
IS/ISO	CuZn30
DIN CEN/TS 13388	CW505L
UNS	C26000
JIS	C2600

Chemical Composition

Weight percentage

Cu	68.5 - 71.5 %
Pb	
Fe	≤ 0.05 %
Zn	Remainder %
Total Impurity	0.15 %

Main Applications

Electrical :	Terminal Connectors, Flashlight Shells, Lamp Fixtures, Reflectors, Shells
Consumer :	Snaps, Chain Links, Watch parts, Costume Jewellery, Buttons
Building Hardware :	Locks, Push Plates, Finish hardware, Door Knobs.

Physical Properties Typical values in annealed temper at 20 °C

Density	8.53	g/cm ³
Thermal expansion coefficient -191 .. 16	9.0	10 ⁻⁶ /K
0 .. 300°C	19.7	10 ⁻⁶ /K
Specific heat capacity	0.377	J/(g·K)
Thermal conductivity	126	W/(m·K)
Electrical conductivity (1 MS/m = 1 m/(Ω mm ²))	16	MS/m
Electrical conductivity (IACS)	28	%
Thermal coefficient of electrical resistance (0 .. 200 C)	1.5	10 ⁻³ /K
Modulus of elasticity (1 GPa = 1 kN/mm ²) cold formed	99...115	GPa
	115	GPa

Mechanical Properties (EN 1652)

Temper	Tensile Strength	Yield Strength	Elongation Minimum	Hardness HV
	Rm MPa(N/mm2)	Rp0.2 MPa(N/mm2)	A50mm %	
O (SOFT)	280 Min	< 160	50 Min	80 Max.
HA (Quater Hard)	325 Min	≥ 170	35 Min	75 Min
HB (Half Hard)	325 Min	≥ 200	20 Min	100 Min
HD (HARD)	415 Min	≥ 260	5 Min	125 Min
HE (Extra Hard)	522 Min	≥ 400		165 Min