DESCRIPTION

CZ106 is a dezincification resistant brass with excellent cold working properties and a pure α -structure. This alloy is used for applications in warm, acidic waters. CZ106 is also suitable for coining, riveting, crimping, flanging, cold extrusion or other cold working operations.

CHEMICAL COMPOSITION

Elements	Min (%)	Max (%)
Cu	68.50	71.50
Pb	riffe in this control of the control	0.05
Fe	at History	0.05
Total Others	THE-	0.30
Zn	at the state of the F	Remainder

MECHANICAL PROPERTIES ACCORDING TO BS2873 (AS PER TEMPER 1/2H)

EIN'S	Range (Inch)	From	То	UTS Min (Mpa)	UTS Max (Mpa)	PS Min	Elongation Min (%)	Hardness Min	Hardness Max
	Round (Dia)	1.5	75	460	620	NS - EN	- 7Hp	- 60,	-
	Hex (A/F)	3.00	70	460	620	-07/1/2	-40	-	S - M
SP.	Square (A/F)	3.00	60	460	620	-		5 - _C	- 1111111
Re	ectangle (Thickness)	3.00	50	460	620	- /10	- 511616	- JIII	67,00

PHYSICAL PROPERTIES

Electrical conductivity %IACS	28%
Thermal conductivity W/(m·K)	126
Thermal expansion coefficient (0–300 °C)	10-6/K19.7
Density	8.55 g/cm3
Modulus of elasticity	114 Gpa

TE HILL STATE

- TYPICAL USES

 > Architecture
- > Automotive
- > Builders Hardware
- > Consumer
- > Electrical
- > Fasteners
- > Industrial
- > Ordnance
- > Plumbing

FABRICATION PROPERTIES

ty	Suitability	and the same of th	Technique
	25%	Zn39Pb3 = 100 %)	Machinability (Cuz
t	Excellent	g cold worked	Capacity for being
	Fair	g hot worked	Capacity for being
	Good	g (butt weld)	Resistance welding
	Fair	arc welding	inert gas shielded
	Good	S WEIT	Gas welding
t	Excellent	of the Hillips	Hard soldering
t	Excellent	43	Soft soldering
°C	910-965 °C		Melting range
0 °C	750 - 870 °C		Hot working
°C	450-680 °C	-3 h)	Soft annealing (1-
°C	200-300 °C	ieving (1-3 h)	Thermal stress reli
	S-		

