CW706R

LEAD FREE BRASS

DESCRIPTION

CW706R 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. CW707R is also suitable for coining, riveting, crimping, flanging, cold extrusion or other cold working operations.

(%)	Elements	S NES	RANNA	Mi	n (%)	ANS -	S.S. MER	M	lax (%)		
METALS	Cu	6:P.S.M.		68	8.50	HE MILE BANK	17. 17.	62	72.50	1 MLS	, es
HAND	Pb	5	MEAN	, HANS IN	- PAJH		6	. Et Miles	0.05	INS MILE PA	-JHP
62	Fe	SWETT	JHANS	6 Proj	-	S	HE INC.	MST	0.07		
ethis	Sn	ophtheme P		0	.90	The Although	620		1.30	5	MEI
ANS MAL BANK	Ni		. CTALS	MEME	- and	62.		ALS.	0.10	ET HAN	2
	P	ALL ALS	SMIL	Phillip	-	1 M	P. S.	Nr.	0.01	60	
5	Mn	When Bront		. 5	- METALS	JANS MIL	PBIHI		0.10	4	AN S
METER ANTAND	As		5	WE ME O	0.02	68-21-			0.02	ANSME	
T	otal Othe	rs	Sec. 1	HAND	Sp.		META	2	0.30	BUDI	
C III	Zn	ale. applied	63		THE	Remai	nder	6 grs		5	

CHEMICAL COMPOSITION

MECHANICAL PROPERTIES (AS PER TEMPER R360)

Range (mm)	From	То	UTS Min (Mpa)	PS Min (Mpa)	Elongation Min (%)	Hardness Min	Hardness Max
Round (Dia)	1.5	75.00	360.00	140	45	ME - WHAT	<u>6</u> 10
Hex (A/F)	5 3	70.00	360.00	140	45		- 5
Square (A/F)	3	60.00	360.00	140	45	-	- SMEL

RAJHANS METALS PRIVATE LIMITED

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PHYSICAL PROPERTIES

Electrical conductivity %IACS	25%
Thermal conductivity But ft/ft ² h ^o F	63
Thermal expansion coefficient (0–300 °C)	10- ⁶ /K 19.7
Density	8.55 g/cm3
Modulus of elasticity (68 ºF)	4100 (Kg/mm ²)

FABRICATION PROPERTIES

Soft soldering Exc	6
Capacity for being hot workedFairResistance welding (butt weld)Godinert gas shielded arc weldingFairGas weldingGodHard solderingExcSoft solderingExc	
Resistance welding (butt weld)Godinert gas shielded arc weldingFairGas weldingGodHard solderingExcSoft solderingExc	od china bc
inert gas shielded arc weldingFairGas weldingGooHard solderingExcSoft solderingExc	and the
Gas weldingGodHard solderingExcSoft solderingExc	bd
Hard soldering Exc Soft soldering Exc	IM
Soft soldering Exc	od en
The day of the	ellent
Malting range	ellent
Melting range 890) - 970 °C
Hot working 680	0-780 °C
Soft annealing (1-3 h) 450)-650 °C
Thermal stress relieving (1-3 h) 250)-350 °C

TYPICAL USES

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

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