CW617N

FORGING BRASS

DESCRIPTION

CW617N are the reference materials for hot working. The mean Lead content provides good machinability of the drop-forged part. Because of its, Composition the alloy is also suited for the production of drawn and complex profile.forging brass alloys have good forgeability. They are available in the form of rod.

CHEMICAL COMPOSITION

Elements	Min (%)	Max (%)
Cu	57.00	59.00
Al	-	0.05
Fe	-	0.30
Ni	-	0.30
Pb	1.60	2.50
Sn	-	0.30
Total Others	-	0.20
Zn	Remainder	

MECHANICAL PROPERTIES (AS PER TEMPER R430)

Range (Inch)	From	To	UTS Min (N/mm^2)	PS Min (N/mm^2)	Elongation Min (%)	Hardness Min (HV)	Hardness Max (HV)
Round (Dia)	2.00	40.00	430.00	220.00	10.00	-	-
Hex (A/F)	2.00	35.00	430.00	220.00	10.00	-	-
Square (A/F)	2.00	35.00	430.00	220.00	10.00	-	-
Rectangle (Thickness)	3.00	40.00	430.00	220.00	10.00	-	-

RAJHANS METALS PRIVATE LIMITED

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PHYSICAL PROPERTIES

PHYSICAL PROPERTIES	ENGLISH
Density	0.303 lb/in3
CTE. linear	14.4 µin/in-˚F
Specific Heat Capacity	0.0908 BTU/lb-˚F
Thermal Conductivity	784 BTU-in/hr-ft^2-˚F
Melting Point	1620 – 1650 ˚F
Solidus	1620 ˚F
Liquidus	1650˚F

FABRICATION PROPERTIES

Technique	Suitability
Machinability (CuZn39Pb3 = 100 %)	95.00%
Capacity for Being Cold Worked	Poor
Capacity for Being Hot Worked	Excellent

TYPICAL USES

- Architecture
- Builders Hardware

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