CW619N

FORGING BRASS

DESCRIPTION

CW619N, brass, is a readily extrudable leaded alpha/beta brass with a small Tin addition, which gives little bit of strength and resistance to corrosion. The lead gives free cutting properties. CW619 is available as extruded rods and flats which are typically used in builders' hardware.

Elements	Min (%)	Max (%)		
Cu	57.00	59.00		
Pb	1.60	2.50		
Sn	0.20	0.50		
Fe	RANGE CHIS	0.40		
Al	S ALTER AND THE PARTY	0.10		
Ni	- Martin - Bar	0.30		
Total Others	1987 - 15 ct	0.20		
Zn	Rema	inder		

CHEMICAL COMPOSITION

MECHANICAL PROPERTIES (AS PER TEMPER H110)

Range (Inch)	From	То	UTS Min	PS Min	Elongation Min (%)	Hardness Min (HB)	Hardness Max
Round (Dia)	6.00	60.00	- units	12		110.00	
Hex (A/F)	6.00	60.00	-92-			110.00	-
Square (A/F)	6.00	60.00				110.00	-
Rectangle (Thickness)	6.00	60.00	6 - Million	- and	45-3 -	110.00	

RAJHANS METALS PRIVATE LIMITED

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PHYSICAL PROPERTIES

	PHYSICAL PROPERTIES	ENGLISH
	Density	0.303 lb/in3
ŝ	CTE. linear	14.4 ųin/in-°F
2	Specific Heat Capacity	0.0908 BTU/lb-°F
	Thermal Conductivity	784 BTU-in/hr-ft²-°F
Z	Melting Point	1620 – 1650 °F
	Solidus	1620 °F
	Liquidus	1650°F

FABRICATION PROPERTIES

Forming						Suitability
Machinability (CuZn39Pb3 = 100 %)	55		(HIS	. IS WE .	- A.Harr	95.00%
Capacity for Being Cold Worked		of this	. SIG ME	Phillip		Poor
Capacity for Being Hot Worked	- METAL	all all a start and a start and a start	Barrie	ć.,	C.M.S	Excellent

TYPICAL USES

> Architecture

> Builders Hardware

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