DESCRIPTION

CW613, 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. CW613 is available as extruded rods and flats which are typically used in builders'

CHEMICAL COMPOSITION

Elements		Min (%)	Max (%)
, i	Cu de la companya de	59.00	60.00
S INC.	Pb	1.60	2.50
D. Jillia	Sn	0.20	0.50
6.	Fe	thing - The	0.40
WE THE	Al was	E STIPE SHEAT	0.10
. HILLS	Ni	THE STATE OF STATES	0.30
62.	Total Others	Allillo alim5	0.20
CINIS	Zn		Remainder

MECHANICAL PROPERTIES ACCORDING TO EN12165 (AS PER TEMPER H070)

Range (Inch)	From	То	UTS Min	PS Min	Elongation Min (%)	Hardness Min	Hardness Max
Round (Dia)	1.5	75.00	ETP - HIND	42,	6	70.00	170.00
Hex (A/F)	3.00	70.00	6/200	6	- <u>u</u> Th	70.00	170.00
Square (A/F)	3.00	60.00	0	- 45	·IIIII	70.00	170.00
Rectangle (Thickness)	3.00	50.00	- Jill 188	4182	blog	70.00	170.00

FORGING BRASS

PHYSICAL PROPERTIES

PHYSICAL PROPERTIES	METRIC	ENGLISH
Density	8.40 g/CC	0.303 lb/in3
CTE. linear	26.0ųm/m-°C	14.4 ųin/in-°F
Specific Heat Capacity	0.380 J/g-°C	0.0908 BTU/lb-°F
Thermal Conductivity	113 W/m-K	784 BTU-in/hr-ft²-°F
Melting Point	880-900 °C	1620 – 1650 °F
Solidus	880 °C	1620 °F
Liquidus	900 °C	1650°F

FABRICATION PROPERTIES

Forming					Suitability
Machinability (CuZn39Pb3 = 100 %)					80.00%
Capacity for Being Cold Worked	40	.E.METT	- CHINE	dille.	Poor
Capacity for Being Hot Worked	.CTM25	of This	40		Excellent

TYPICAL USES

- > Architecture
- > Builders Hardware