DESCRIPTION

CW606N is a material which has been successfully used in automotive industries. It has both good machining and good cold working properties.

CHEMICAL COMPOSITION

ELL. PHULL	Elements			Min (9	%)			Max (%)	
44	Cu	LS SHELL	- C. HAME	61.00)	\$ 2	ME IA	62.00	
(A)	Pb	D.B.JHATT	4	1.60	, us ME	To Hall	, Phr.	2.50	
: HANE MILE	Sn	c.	ETA	o ans mr.	R.A.J.H.A.I.	100		0.20	AL CANADA
Bry	Fe	METAL	.unis m	Harring -			ILS ME ME	0.20	40
. 15	Al	HINE,	6B.J.	.s-	WE WITH	. UANG MI	FIV THE	0.05	
JE WELL	_{ALI} H ^{ARI} Ni	d.	, Als	C MEI AL	HANE	Bary		0.30	, HAME WIT
R.B.H.B.	Total Other	'S MIS	LE MET	- Califaria	6h	5	E WEIGHT	0.20	Blb.7.
Ca	Zn	ALE MIL. BIL	Har	40	(RIC)	Remaind	er	b _{II} .	

MECHANICAL PROPERTIES CW606N (AS PER TEMPER 400)

	Range (Inch)	From	То	UTS Min (N/mm²)	PS Min (N/mm²)	Elongation Min (%)	Hardness Min	Hardness Max
Ş	Round (Dia)	2.00	20.00	400.00	200.00	12.00	<u> </u>	NET - HAMES
	Hex (A/F)	2.00	25.00	400.00	200.00	12.00	EMELL - THUMS	_61g.,
	Square (A/F)	2.00	25.00	400.00	200.00	12.00	- bit.	- 5

PHYSICAL PROPERTIES

Melting Point	885°
Density	8.50g/cm3
Electrical Resistivity	0.066 x 10- ⁶ Ωm
Thermal Conductivity Btu/ sq ft/ ft hr/ °F at 68°F	115 W/m.K
Modulus of Elasticity	105 Gpa

FABRICATION PROPERTIES

Technique	Suitability
Hot Formability	Good
Cold Formability	Good
Cold Reduction Between anneals	50%
Machinability rating (free cutting brass = 100)	75%
Soldering	Excellent
Brazing	Good
Oxy-acetylene welding	Not recommended
Not recommended	Not recommended
Resistance welding: Spot and Seam	Not recommended
Butt Welding	Fair

TYPICAL USES

- Fasteners
- Rivets
- > Domestic appliances
- > Automotive engineering
- > Hose fittings
- Intricate parts such as clock components