CW605N

LEADED BRASS

DESCRIPTION

CW605N: A ductile alloy with good machinability as well as bending and cold heading properties. Suitable for bicycle spoke nipples.

CHEMICAL COMPOSITION

Elements			Min (%)			2	Max (%)				
PAUHAN	Cu	Å	5 5	61.00	634		. 9	-	62.00	15	6100
-	Pb	and ME	Baltha	0.80	Å	N.S.	NE MET	Althous	1.60		
MEIP	Fe	59 Ju	c	- MS	ANS ME	23.	3°	×.	0.20	MPS IN STREET	NS ME
JHAND .	Sn	.5	METAL	HANSIN-	BULL		6	E.P.	0.20	P.P.J.	3
62	Ni	SWEID	HAND	682°-	5	1	ELAL	HANS	0.30		6
THE	Al	appleton	62.		SWEID	HAMS		663.	0.05	1	AL AL
ANSME	Total Others	<u></u>	THIS	us MEL -	2 BJHAR	62.		ALS.	0.50	JHAND	
Brite	Zn	WEL MLS	AND	BRINKE	<	Remair	nder	NSMEI	a Automa	62	

MECHANICAL PROPERTIES (AS PER TEMPER HB)

Range (Inch)	From	То	UTS Min (Mpa)	PS Min (Mpa)	Elongation Min (%)	Hardness Min	Hardness Max
Round (Dia)	1.5	75.00	340.00	160.00	25.00	90.00	140.00
Hex (A/F)	3.00	70.00	340.00	160.00	25.00	90.00	140.00
Square (A/F)	3.00	60.00	340.00	160.00	25.00	90.00	140.00

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PHYSICAL PROPERTIES

Density	8.46 g/cm3
Melting Point	910°C
Specific heat cap at 20°C	0.377 (kj/kgK)
Electrical conductivity	14.7 (MS/m)
Modulus of Elasticity in (GPa)	105 (GPa)
Coef of therm exp at 20°C	20.4 (10- ⁶ /K)
Thermal Conductivity	116 W/m.K
	80 10

FABRICATION PROPERTIES

20	Technique	Suitability
	Machinability(CuZn39Pb3 = 100%)	80%
.0	Capacity for being cold worked	poor
1	Capacity for being hot worked	Fair
	Suitability for soldering	Excellent
Ś	Suitability for Brazing	Good

TYPICAL USES

> Precision Components Machining with Riveting operation.

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