C26000

LEAD FREE BRASS

DESCRIPTION

CuZn30 as well as CuZn28 is combining excellent cold forming properties with good mechanical strength. CuZn30 has good hot forming properties and excellent soldering and brazing properties. Due to the outstanding deep drawing properties CuZn30 and the other two mentioned alloys are called "deep-draw" or "cartridge" brass.

CHEMICAL COMPOSITION

	Ele	ments		, upper the	Min (%)		e di		Max (%)	
	all ^S	Cu	HAND	6 Bros.	68.50	MELA	AND NOT	Bulli	71.50	. L
ò	NE MELL	Pb	63	ALS.	S MELAN	JHANS	43	2	o.07	HANSIN
	Phillip.	Fe	CT MLS	NS ME	apither -	62.	ALS.	SWEIP	0.05	6300
	Tota	l Others	ANS MAL	P.P.J.HP.	-		ALC: MELL	- ALIHADA	0.30	and
	METAL HA	Zn	Parter	6	WE THIS	ANS MIL	Remainder		THIS	AS ME
	19 D				C	110		. S.		

MECHANICAL PROPERTIES (AS PER TEMPER HO2)

Range (Inch)	From	То	UTS Min (MPa)	PS Min (MPa)	Elongation Min (%)	Hardness Min	Hardness Max
Blog	1.5	12.00	345.00	170.00	10.00	- NS-ME	- Althan -
Round (Dia)	12.00	25.00	310.00	115.00	20.00	abilition -	-
ALT MAL MARSH	25.00	50.00	275.00	105.00	20.00	-	and - sh
AND RANK	3.00	12.00	345.00	170.00	10.00	1 Miles	SME - Althour
Hex (A/F)	12.00	25.00	310.00	115.00	20.00	JEME - All	- ~
S ALTRINO	25.00	50.00	275.00	105.00	20.00	JHP -	
METAL MAST	3.00	12.00	345.00	170.00	10.00	-	als - shift
Square (A/F)	12.00	25.00	310.00	115.00	20.00	ANG - ST	C. S. Haller
Pril.	25.00	50.00	275.00	105.00	20.00	ME - Althous	<u></u>

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PHYSICAL PROPERTIES

Melting Point - Liquidus°F	1750
Melting Point - Solidus°F	1680
Densitylb/cu in. at 68°F	0.308
Specific Gravity	8.53
Electrical Conductivity% IACS at 68°F	28
Thermal ConductivityBtu/ sq ft/ ft hr/ °F at 68°F	70
Coefficient of Thermal Expansion 68-57210- ⁶ per °F (68 – 572°F)	11.1
Specific Heat Capacity Btu/ lb /ºF at 68ºF	0.09
Modulus of Elasticity in Tensionksi	16000
Modulus of Rigidity ksi	6000

LEAD FREE BRASS

EDTIEC

Technique	Suitability			
Soldering	Excellent			
Brazing	Excellent			
Capacity for being hot worked	Good			
Gas Shielded Arc Welding	Good			
Coated Metal Arc Welding	Not Recommended			
Spot Weld	Fair			
Seam Weld	Not Recommended			
Butt Weld	Good			
Capacity for Being Cold Worked	Excellent			
Capacity for Being Hot Formed	Fair			
Machinability Rating	30			

TYPICAL USES

- > Architecture
- > Automotive
- > Builders Hardware
- > Consumer
- > Electrical
- > Fasteners
- > Industrial
- > Ordnance
- > Plumbing

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