

CuZn39Sn

CATEGORY Brazing

TYPE Universal brass brazing alloy with good strenght

APPLICATIONS Brazing: Steels, Copper, Cast iron, Copper alloys, Nickel and for welding Brass and Bronze. This alloy is mainly used in the furniture and the bicycle industry for joining steels, also this alloy can be used for rebuilding Brass-ship propellers by flame welding.

PROPERTIES Easy to use brass alloy for brazing with separate flux or by using gasflux (flux transported by the flame), good mechanical properties and high corrosion resistance. Due to the components Fe, Mn and Sn. this type is the so cold "low fuming bronze"

CLASSIFICATION

AWS	A 5.8: RB CuZn-C
	UNS: C68100
EN ISO	1044: CU 304
DIN: W.Nr.	2.0366
DIN	L-CuZn39Sn

SUITABLE FOR Brass, Copper, Steels, Manganese bronze, Cast iron etc..

WELDING POSITIONS:



ALLOY ANALYSIS %

Cu	Mn	Sn	Zn	Fe	Si	others	Pb
56-60	0.01-0.50	0.80-1.10	Rem	0.25-1.20	0.04-0.15	<0.5	<0.05

MECHANICAL PROPERTIES

Heat Treatment	R _{p0,2} (N/mm ²)	R _m (N/mm ²)	A ₅ (%)	Impact Energy (J) ISO-V		Melting range °C	Hardness HB
				-20°C	-40°C		
untreated		400				890-900	96

WELDING PARAMETERS / PACKING

D (mm)	Parameters		Packing
	Length (mm)		kg / tube / carton
2.0	500 / 1000		5 / 25
3.0	500 / 1000		5 / 25
4.0	1000		5 / 25
8.0	1000		5 / 25
10.0	1000		5 / 25
12.0	1000		5 / 25

REDRYING TEMPERATURE not required

NOTE Also available as flux-coated rod. (CuZn40F)