



RBCuZn-B Brass Brazing Rods:

Product Description:

RBCuZn-B Nickel Bronze (RBCuZn-B) brazing filler metal is similar to naval bronze but contains manganese and iron which increase the hardness and strength of the weld deposit. It also contains nickel ensuring uniform distribution of the iron in the deposit. A neutral or slightly oxidizing flame and a boric acid/boric type flux should be used.



Equivalent Specification:

ISO	USA	JIS	EN	DIN
24373:2008	AWS A5.7/A5.7M:2007	Z3341:1999	14640:2005	1733-1:1998
CuZn40Ni	RBCuZn-B	-	CuZn40Nii	-

Technical Specifications:

Chemical Composition	RBCuZn-B
Copper (Cu)	56-60%
Aluminum (Al)	0.01% Max
Iron (Fe)	0.25-1.20%
Manganese (Mn)	0.01-0.05%
Silicon (Si)	0.04-0.20%
Tin (Sn)	0.80-1.10%
Zinc (Zn)	Bal
Lead (Pb)	0.50%
Other	0.50%

Physical and Mechanical Properties:

Solidus Temperature	866°C (1591°F)	Liquidus Temperature	882°C (1620°F)
Density	8.39 gms/cm ³	Tensile Strength	450 N/mm ²
Elongation	25%	Brinell Hardness	96HB

Sizes Available:

Wire	1.0 mm to 11 mm Max
------	---------------------