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TW-56CF (AWS BAg-7)

Low-work-temperature 56% silver brazing alloy with excellent fluidity. Specially developed for hospital and food industry facilities.



APPLICATIONS:

Used for nickel, copper, copper alloy and general steel works. It is a cadmium-free alloy making it suitable to use when repairing containers for the food industry, such as canning, dairy and brewing containers. It is also used for surgical and laboratory instruments, electrical connections, carbureted tools and dissimilar metal joints. This alloy is used for brazing stainless steel to aluminum.

CHARACTERISTICS:

Melting Range	: Solidus 620°C Liquidus 650°C
Working Temperature	: 650°C
Heating Method	: Torch, Furnace, Induction
Tensile Strength	: 51 kg/mm ² (72,500 PSI)
Elongation in 2"	: 28%
Electrical Conductivity	: 46 m/Ωmm ²
Chemical Composition	: Ag 56%, Cu 22%, Zn 17%, Sn 5%

PROCEDURE:

Clean brazing area removing rust or grease. Preheat slightly and add silver flux to the joint. Continue heating until it liquefies and add the alloy using the flame to make it flow. Allow to cool slowly and remove all flux residue.

AVAILABLE FORMS:

Round rods (Ø)	: 1/16", 3/32", 1/8" and others
Length	: 18", 20" or 500 mm