

ARCTEC® 1005 BARE SILVER BRAZING ALLOY



a quality welding alloy

GENERAL CHARACTERISTIC:

ARCTEC® 1005 is a cadmium free bare silver brazing alloy with good electrical conductivity and excellent color match on stainless steel. Excellent for a variety of non ferrous metals except for aluminum and magnesium alloys.

APPLICATIONS:

ARCTEC® 1005 is recommended for brazing a variety of metals such as stainless steel, copper, nickel alloys, brass, bronze and other nonferrous metal except aluminum and magnesium. For use on electrical appliances, food handling equipment and instrumentation. Use with ARCTEC® 96 or ARCTEC® 98 flux.

WELDING PROCEDURE:

Clean the weld zone free of all contaminants and remove surface oxides by brushing with a stainless steel or fibre brush. Heat area with oxyacetylene or propane flame. Add filler and continue heating until the alloy flows into joint. Flux residue may be removed using hot water and a brush.

MECHANICAL PROPERTIES:

* Please Note: Tensile strengths of silver brazing alloys are not stated as several variables such as procedure used, material being soldered, joint design, fit up ,etc. will affect the joint strength. Exact tensile strength values can only be determined by conducting test on the actual joint design utilized.

OPERATING PARAMETERS:

WELDING PROCESS; OFW-TB

Melting Range

620-650°C

1145-1205°F

Straight Length or Coils	
Dimension	
1.50mm	1/16"
Foil	
Dimension	
25mm x .25mm	1" x .010"

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Subject to change without notice

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