



WELDING PRODUCTS

ARC TEC® 1005 BARE SILVER BRAZING ALLOY

GENERAL CHARACTERISTIC:

ARC TEC® 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:

ARC TEC® 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 ARC TEC® 96 or ARC TEC® 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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The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, except as expressly stated in seller's contract, delivery slip or invoice form. Technical data and suggested application are provided to assist you in making your own evaluations and decisions and should not be interpreted as expressed or implied warranties. Mechanical properties are typical or average values obtained by testing and comparing many heats of the same alloys. Minimum and maximum values are noted accordingly and are not intended for specific purposes.

Subject to change without notice

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