ARCTEC®1003 BARE SILVER BRAZING ALLOY

ARCTEC.
a quality welding alloy

GENERAL CHARACTERISTICS:

ARCTEC® 1003 is an economical, cadmium bearing bare silver brazing alloy. Suitable for brazing a variety of non ferrous metals except for aluminum and magnesium alloys.

APPLICATIONS:

ARCTEC® 1003 is recommended for general purpose silver brazing applications. This alloy has a broad melting range which is helpful where clearances are not uniform. For use on electrical appliances 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 oxy-acetylene 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
630-730°C
630-1345°F

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

Subject to change without notice

OHO011200/063-2