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Flux Coated Cadmium Free

SilverAlloy A-45FC

♦ INTRODUCTION

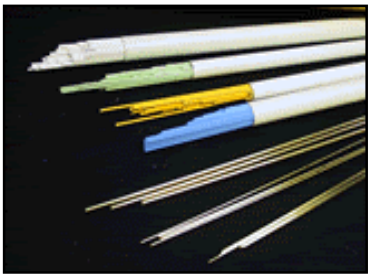
Aufhauser SilverAlloy A-45FC is used especially for brazing in the electrical industry, as well as in the dairy and food industries where the use of cadmium bearing filler metals is prohibited. This filler metal is excellent for brazing brass parts. A-45FC is pre-fluxed with the correct amount of flux. No dipping or preparatory work.

♦ APPLICATIONS

SilverAlloy A-45FC is suitable in the joining of ferrous, nonferrous and dissimilar metals and alloys with close joint clearances. It is a good choice for brazing in the dairy and food industries where the use of cadmium is prohibited. It is also often used in the electrical industry and for brazing brass parts such as ships' piping, band instruments, lamps, etc.

♦ CHEMICAL COMPOSITION

Silver	Copper	Zinc
44.0-46.0	29.0-31.0	23.0-27.0



♦ PHYSICAL and MECHANICAL PROPERTIES

Solidus:	1225 °F
Liquidus:	1370 °F
Brazing Range:	1370-1550 °F
Specific Gravity:	9.11
Density:	4.80 TO/cu.in.
Electrical Conductivity:	19.0 %IACS
Electrical Resistivity:	9.08 μohm-cm
Color:	Yellow White

♦ SPECIFICATIONS MEET or EXCEED

- AWSA5.8 BAg-5
- QQ-B-654A BAg-5
- ISO 3677: B Ag 45 Zn Cu 660-740
- NFA 81-362, 45 A2

♦ STANDARD SIZES AND DIAMETERS

- Diameters: 1/16", 3/32", 1/8", 5/32", 3/16"
- Sizes: 18", 20", 36" cut lengths

♦ PROPERTIES OF BRAZED JOINTS

Generally, the joint strength using SilverAlloy A-45FC will surpass the strengths of the base metals. Strength is a function of the base metals being joined, type of joint, design of joint, joint clearances and brazing procedures. The recommended maximum operating temperature for SilverAlloy A-45FC is up to 400°F in continued service and up to 600°F in intermittent services.