

Flux Coated Cadmium Free SilverAlloy A-35FC

◆ INTRODUCTION

Aufhauser SilverAlloy A-35FC is a cadmium-free filler metal used for brazing ferrous and nonferrous base metals. It is a moderate temperature filler metal frequently used for production brazing applications. A-35FC is pre-fluxed with the correct amount of flux. No dipping or preparatory work. Suitable for work in tight places.

◆ APPLICATIONS

Aufhauser A-35FC is used for joining most ferrous and non-ferrous metals.

◆ CHEMICAL COMPOSITION

Silver	Copper	Zinc
34.0-36.0	31.0-33.0	31.0-35.0

◆ PHYSICAL and MECHANICAL PROPERTIES

Solidus	1265 °F (685 °C)
Liquidus	1390 °F (754 °C)
Braze Range	1390-1545°F (754-841 °C)
Specific Gravity	8.87
Density	4.67 TO/cu. in.
Electrical Conductivity	19.8 %IACS
Color	Yellow White



◆ SPECIFICATIONS MEET or EXCEED

- AWS A5.8 BAg-35
- ISO 3677: B Ag 35 Zn Cu 680-750
- UNS P07351
- EN 17672 Ag 235

◆ AVAILABLE FORMS

- Powder/Paste
- Wire, Rods, Foil
- Specialty preforms per customer specifications

◆ STANDARD ROD SIZES AND DIAMETERS

- Diameters: 1/32", 3/64", 1/16", 3/32", 1/8"
- Sizes: 1, 3, 5, or 50 troy ounces
- Lengths: 18, 20, or 36 inches

◆ PROPERTIES OF BRAZED JOINTS

Generally, the joint strength using SilverAlloy A-35FC 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.