



Quality Management System
in accordance with
ISO 9001:2000
Cert # 05-R0925

SUPERFLOW[®] 2 BRAZING ALLOY

U.S. ALLOY CO.
dba Washington Alloy
7010-G Reames Rd.
Charlotte, NC 28216
www.weldingwire.com



ALLOY DESCRIPTION AND APPLICATION:

SUPERFLOW[®] 2 is a Phos-copper brazing alloy formulated to join copper, brass and bronze. This alloy is commonly used where cost may be a factor without sacrificing good flowing and leak free characteristics. *Superflow* brazing flux is needed when working on brazeable grades brass or bronze. Phos-Copper alloys are self-fluxing on copper but should not be used, on copper alloys containing more than 10% nickel, steels, and ferrous metals or in any sulfurous atmospheres. Aluminum bronze requires the use of Aluminum bronze brazing flux.

CHEMICAL COMPOSITION, Weight Percent:

| | |
|-----------------------|---------|
| Silver | 1.8-2.2 |
| Copper | Balance |
| Phosphorus | 6.8-7.2 |
| Total Others Elements | 0.15 |

PHYSICAL DATA:

| | |
|-------------------------------------|-------------------------|
| Solidus | 1190°F (643°C) |
| Liquidus | 1450°F (788°C) |
| Brazing Range | 1350-1500°F (732-816°C) |
| Color | Bright Light Copper |
| Specific Gravity | 8.03 |
| Density (lb/cu in.) | 0.290 |
| Electrical Conductivity (% of IACS) | 5.5 |
| Electrical Resistivity (Microhm-cm) | 31.5 |

AVAILABLE SIZES:

TAG 2 = 20" Rods of 1/16, 1/8 X .050
36" Rods of 3/32, 1/8, 1/8 X .050
Other sizes available – please inquire

SPECIFICATIONS:

| | |
|-----------------------|--------|
| AWS A5.8/A5.8M | BCuP-6 |
| ASME SFA5.8 | BCuP-6 |
| FED QQ-B-650C | BCuP-6 |

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DC 5-2006

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