



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

SUPERFLOW[®] 6 (6HP) BRAZING ALLOY

U.S. ALLOY CO.
dba Washington Alloy
7010-G Reames Rd.
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ALLOY DESCRIPTION AND APPLICATION:

SUPERFLOW[®] 6 (6HP) is a Phos-copper brazing alloy formulated to join copper, brass and bronze. This alloy has higher phosphorus than most phos-copper alloy giving it a “quick flow” useful in production setting as well as automated applications. *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	5.8-6.2
Copper	Balance
Phosphorus	7.0-7.5
Total Others Elements	0.15

PHYSICAL DATA:

Solidus	1190°F (643°C)
Liquidus	1325°F (718°C)
Brazing Range	1275-1450°F (691-788°C)
Color	Bright light Copper
Specific Gravity	9.03
Density (lb/cu in.)	0.292
Electrical Conductivity (% of IACS)	15.1
Electrical Resistivity (Microhm-cm)	11.38

AVAILABLE SIZES:

TAG 6 = 20” Rods of 1/16, 3/32, 1/8 X .050
36” Rods of 1/8, 3/16
Other sizes available – please inquire

SPECIFICATIONS:

AWS A5.8/A5.8M	BCuP-4
ASME SFA5.8	BCuP-4
FED QQ-B-650	BCuP-4

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