



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

SUPERFLOW® 60/40 Tin Lead

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



ALLOY DESCRIPTION AND APPLICATION:

60/40 tin-lead solders can be used to join copper, copper alloys, lead, nickel alloys, steel and may be found in general applications such as electrical/components, radiators, stained glass and many low melting range needs. Exceptions; Tin-lead solders are not to be used in potable water systems or not recommended for joints subject to high stress or vibration in the cooling industry due to lack of sufficient elongation properties. Solid solders will need a soldering flux or we also offer solders with rosin or acid flux cored. Similar to 50/50 but flows faster due to narrow melting range making it ideal for delicate work. **CAUTION** these are lead-bearing solders making it illegal to use lead solders in ALL public or private potable water systems

CHEMICAL COMPOSITION, Weight Percent:

Tin	59.5-61.5 %
Lead	Balance

PHYSICAL DATA:

Solidus	361F (183°C)
Liquidus	374°F (190°C)
Tensile Strength	7700 psi ¹
Shear Strength	6000 psi ¹
Electrical Conductivity	11.5 % AT 68 °F (IACS)
Color	Gray- Silver
Density	8.52 g/cm ³ 0.311 lb/in ³

¹bulk solder with wide variations

AVAILABLE SIZES:

TAS 60/40 = 1# Spools of; 1/16, 3/32 & 1/8, BARS
Other sizes available – please inquire

SPECIFICATIONS: J-STD-006
ASTM B32

Sn 60Pb60A
Sn 60

EAST COAST
7010-G Reames Rd
Charlotte, NC 28216
Tel (888) 522-8296
Fax (704)598-6673

GULF COAST
4755 Alpine Drive #100A
Stafford, TX 77477
Tel (877) 711-9274
Fax (281)313-6332

WEST COAST
8535 Utica Ave
Rancho Cucamonga, CA 91730
Tel (800)830-9033
Fax (909)291-4586



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Warehouse Distribution Center – Portland, Oregon & Boston, Massachusetts

Head Office – Puyallup, Washington

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