

Alloy 4145 Data Sheet

AWS A5.10
AMS 4184
UNS A 94145
USWC 4184(C)

Aerospace Material Specification 4184 is aluminum alloy 4145 in two forms of welding wire. Developed as a brazing alloy and typically used as a filler metal for gas-tungsten-arc and gas-metal-arc welding of aluminum of similar composition, heat treatment, and corrosion resistance; although, usage is not limited to such applications.

10si 4.0cu

Meets specification for AWS A5.10

CHEMICAL COMPOSITION (Wt %):

| Si | Cr | Fe | Mn | Cu | Zn | Mg | Al | Other impurity | Other element |
|----------|----------|----------|----------|---------|----------|----------|-----|----------------|---------------|
| 9.3-10.7 | 0.15 max | 0.08 max | 0.15 max | 3.3-4.7 | 0.20 max | 0.15 max | Bal | 0.05 max each | 0.15 max each |

Maintaining a proper welding procedure, including pre-heat and interpass temperatures, may be critical depending on the type and thickness of material being welded.

CAUTION: Consumers should be thoroughly familiar with the safety precautions on the warning label posted in each shipment and in the American National Standards A49.1, “Safety in Welding and Cutting,” published by the American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33126: OSHA Safety and Health Standards 29 CFR 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210. SDS’ may be obtained at the website below.