

ER4047 Data Sheet

AWS A5.10
 AWS A5.10 R4047
 AMS 4185
 UNS A94047
 USWC 4185(C)

Aerospace Material Specification 4185 is aluminum alloy 4047 brazing alloy. Alloy 4047 is similar to alloy 4043 but alloy 4047 contains a higher silicon content, providing increased fluidity and reduced shrinkage.

Available in multiple diameters and sizes in straight length wire and in spools.

CHEMICAL COMPOSITION (Wt %):

Si	Fe	Mn	Cu	Zn	Mg	Al	Other impurity	Other element
11-13	0.08 max	0.15	0.30 max	0.20 max	0.10	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.