



C355 (4009) Data Sheet

AWS A5.10-12
ER 4009
AMS 4245
AMS 4215
UNS A03550
USWC 4245(C)

Aerospace Material Specification 4245 is an aluminum alloy C355 (4009) welding wire in gas-tungsten-arc (GTAW) and gas-metal-arc (GMAW) welding.

Contains a low amount of iron to create higher tensile properties. Designed for joining and repairing. This alloy is an Aluminum-Copper-Silicon alloy used for casting alloys made of similar composition.

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

CHEMICAL COMPOSITION (Wt %):

Si	Fe	Mn	Cu	Zn	Mg	Al	Ti	Other impurity	Other element
4.5-5.5	0.20	0.10	1.0-1.5	0.10	0.40-0.60	Bal	0.10-0.20	0.05	0.15

Note: Single values are maximum unless otherwise noted.

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.