

Specifications:

AWS A5.10
ER 5554
R5554

Properties:

Melting Range: 1155 - 1195°F
Density: .097 lbs/cu.in
Anodize color: White

Description:

Aluminum 5554 meets AWS A5.10 specifications. This alloy is composed mainly of Magnesium, Manganese, Chromium and Titanium. Alloy 5554 is recommended for welding with alloys of similar Aluminum, Magnesium composition, such as alloy 5454. This alloy is not prone to stress corrosion at high temperatures. Alloy 5554 is widely used in the production of chemical storage tanks and automotive parts.

Chemical Composition (Wt%)

Si	Fe	Mn	Cu	Mg	Zn	Al	Cr	Ti	Be	Other each	Other total
0.25	0.40	0.50-1.0	0.10	2.4-3.0	0.25	REM	0.05-0.20	0.05-0.20	0.0003	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.