

## ER5356 DATA SHEET

AWS Class ER5356

AWS A5.10, ASME SFA 5.10

UNS A95356

USWC 1374 (C)

### DEPOSIT COMPOSITION

Al	Cr	Cu	Mn	Si	Be	Fe	Mg	Ti	Zn
<b>Balance</b>	<b>0.05-0.20</b>	<b>0.10</b>	<b>0.05-0.20</b>	<b>0.25</b>	<b>0.0003</b>	<b>0.40</b>	<b>4.50-5.50</b>	<b>0.06-0.20</b>	<b>0.10</b>

ER5356 has compatibility with most base alloys and has good strength. Typical applications include boats, ships, bicycles, trucks, pressure vessels, and automotive parts. This alloy is not suitable at service temperatures above 150°F. This alloy is used more often in place of alloy 5056 due to 5356 contains titanium for grain refining.

<b>Diameters</b>	<b>0.005"</b>	<b>0.007"</b>	<b>0.010"</b>
	<b>0.015"</b>	<b>0.020"</b>	<b>0.025"</b>
	<b>0.030"</b>	<b>0.035"</b>	<b>0.045"</b>
	<b>3/32"</b>	<b>1/16"</b>	<b>1/8"</b>
	<b>5/32"</b>	<b>3/16"</b>	

<b>Forms</b>	
<b>TiG GTAW</b> 100% Ar	<b>MiG GMAW</b> 100% Ar

**Maximum Tensile Strength: 39,000 psi**  
**Percent Elongation in 2": 16%**

**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 CRF 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210. SDS' may be obtained at the website below.