

## ER4043 DATA SHEET

AWS Class ER4043

AWS A5.10, ASME SFA 5.10

AMS 4190

UNS A94043

### DEPOSIT COMPOSITION

Al	Cr	Cu	Mn	Si	Be	Fe	Mg	Ti	Zn
<b>Balance</b>	<b>0.05-0.25</b>	<b>0.3</b>	<b>0.05</b>	<b>4.50-6.00</b>	<b>0.0003</b>	<b>0.8</b>	<b>0.05</b>	<b>0.2</b>	<b>0.1</b>

ER4043 is used to weld heat treatable alloys. It has a lower melting point and more fluidity than the 5000 series aluminum. Typical applications include bicycles, trucks, trailers, and automotive parts and equipment.

#### Diameters

<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>	

#### Forms

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

**Maximum Tensile Strength: 33,000 psi**  
**Percent Elongation in 2": 10%**

**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.