

# Alumi Glide® 4943A Aluminum Welding Wire



The Alumi Glide® 4943A Aluminum Welding Wire is a premium aluminum filler metal. This alloy is an alternative to 4043 boosting up to 25% higher Ultimate Tensile and 50% higher yield strength in the as welded condition.

It's known for its exceptional wetting characteristics and reduced crack sensitivity. Available in spools and cut lengths for both MIG and TIG operations, the Alumi Glide® 4943A aluminum welding wire is recommended for a range of base metals and casting alloys.

## Manufacturing Advantages

- Trouble-free welding with excellent wire surface finish
- Reduced weld cracking sensitivity
- Reduced post-weld cleaning
- Easy handling and smooth-running
- Gas metal arc welding and gas tungsten arc welding
- Excellent wetting characteristics
- Improved fluidity and flowing action
- Welding of heat-treatable base alloys
- Repair and fabrication of bicycles, trucks, trailers, automotive parts, and equipment
- Welding in high-stress or high-wear applications

## Welding Positions

All-position MIG welding wire. Requires appropriate shielding gas usage, settings, and arc transfer modes.

## Shielding Gas Blends

- 100% Argon
- Argon/Helium mixtures

## Applications

- Agricultural Equipment
- Auto Body
- Automotive Exhaust
- General Fabrication
- Heavy Equipment
- Pipe Welding
- Pressure Vessels
- Railcars
- Shipbuilding
- Structures
- Trailers

## Specifications

Meets or Exceeds:

- AWS A5.10 classification ER4043, R4043
- Canadian Bureau of Welding – CWB A5.10
- ISO 9001:2015
- Produced in Canada

## Storage

Welding wire should be stored in a dry, enclosed environment and in its originally sealed package.



3602 North Perkins Road  
Stillwater, OK 74075  
Customer Service: 1-800-777-1618  
www.NSARC.com



# Alumi Glide® 4943A

## Aluminum Welding Wire

### Typical Weld Metal Composition (Weight %)

	Al (Aluminum)	Mn (Manganese)	Fe (Iron)	Cu (Copper)	Be (Beryllium)	Si (Silicon)	Mg (Magnesium)	Cr (Chromium)	Ti (Titanium)	Zn (Zinc)	Other Elements
<b>4043</b>	Remainder	0.05 Max	0.80 Max	0.30 Max	0.0003 Max	4.5-6.0	0.05 Max		0.20 Max	0.10 Max	0.05 Max & Total 0.15 Max
<b>4943</b>	Remainder	0.05 (max.)	0.40 (max.)	0.10 (max.)	0.0003 (max.)	5.0-6.0	0.30-0.50		0.15 (max.)	0.10 (max.)	0.05 Max & Total 0.15 Max
<b>5356</b>	Remainder	0.05-0.20	0.40 (max.)	0.10 (max.)	0.0003 (max.)	0.25 (max.)	0.25 (max.)	0.05-0.20	0.06-0.20	0.10 (max.)	0.05 Max & Total 0.15 Max



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