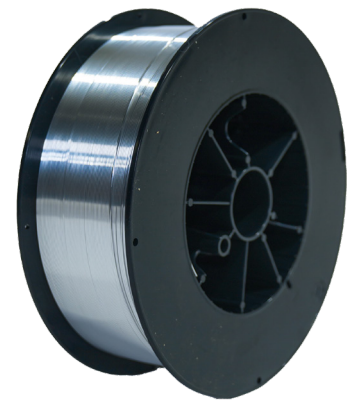


# Alumi Glide® 5183 Aluminum Welding Wire

The Alumi Glide® 5183 Aluminum Welding Wire is a premium aluminum-magnesium alloy wire with a nominal composition of 5% magnesium.

Its unique composition and properties make it ideal for welding 5XXX series base alloys. It offers slightly higher strength than 5356 and consistently achieves 40 Ksi ultimate tensile when welding 5083 base material.



## Manufacturing Advantages

- Excellent corrosion resistance
- Smooth-running
- Higher-strength welding
- Increased mechanical properties
- Excellent wire surface finish for trouble-free welding
- Gas metal arc welding and gas tungsten arc welding
- Excellent for joint types, including fillet welds, butt welds, and lap welds
- Well-suited for high-speed welding 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 ER5183, R5183
- Canadian Bureau of Welding – CWB A5.10
- ISO 9001:2015
- ABS
- 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  
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www.NSARC.com



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## 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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