

# Alumi Glide® 5556 Aluminum Welding Wire



The Alumi Glide® 5556 Aluminum Welding Wire is an aluminum filler metal that contains 5% magnesium, which helps to enhance the strength and corrosion resistance of the weld joint. Alumi Glide® 5556 produces slightly higher strength than 5356.

It is commonly used for joining various aluminum alloys, including 5XXX series alloys like 5083 and 5086, as well as 6XXX series alloys such as 6061 and 6063. It offers excellent weldability and fluidity, resulting in smooth and reliable weld bead formation, and can be used for MIG and TIG welding operations.

## Manufacturing Advantages

- Higher tensile strengths
- Excellent corrosion resistance
- Improved crack resistance
- Good ductility
- Compatibility with anodizing processes
- Exceptional mechanical properties
- Gas metal arc welding and gas tungsten arc welding
- Excellent and complete joint penetration and robust bonding
- Lower impurity content for clean and defect-free welds
- Suitable for welding various aluminum alloys, especially the 5XXX series alloys

## 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 ER5556, R5556
- 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® 5556

## 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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