



Alumi Glide™ ALUMINUM WELDING WIRE

4043 – PRODUCT DATA SHEET

4043 is a 5% silicon all-position aluminum welding wire used to weld heat-treatable alloys such as the 6XXX base metals and cast alloys found in many common welding applications such as bicycles, trucks, trailers, automotive parts and equipment.

Welding Products Approvals/Specifications

AWS A5.10 classification ER4043, R4043
Canadian Bureau of Welding – CWB A5.10
ISO 9001:2008

Chemical Composition (weight %)

Aluminum	Remainder	Silicon	4.5-6.0
Manganese	0.05 Max	Magnesium	0.05
Iron	0.80 Max	Titanium	0.20 Max
Copper	0.30 Max	Zinc	0.10 Max
Beryllium	0.0003 Max		
Other Elements 0.05 Max & Total 0.15 Max			

Typical Properties

Melting Range 1065 – 1170 F 574 – 632 C
Density .097 lbs\cu in.
Post Anodize Color Gray

Wire and Rod Diameters Available

0.030 0.035 3/64" 1/16" 3/32" 1/8"
5/32" 3/16" 1/4" 5/16"

Packaging Available

Plastic Spools – 1LB/0.4KG, 5LB/2.2KG, 10LB/4.5KG, 16LB/7.2KG, 20LB/9KG
Metal Spools – 10LB/4.5KG, 15LB /6.8KG
TIG Rods – 5LB/2.2KG, 10LB/4.5KG, 50LB/22.6KG
Drums – 150LB/68KG, 300LB/136KG

MIG Welding Procedures: DCEP

Wire Diameter	WFS ipm	Amps	Volts	Consumption LB/100FT	Argon(cfh)
0.030	480-625	60-175	15-24	0.65-1.25	25-30
0.035	450-750	70-185	15-27	1.00-4.25	30-35
3/64"	330-500	125-260	20-29	1.00-4.25	35-45
1/16"	250-450	170-300	24-30	3.8-66	45-75
3/32"	160-200	275-400	25-31	35-66	60-85

TIG Welding Procedures: ACHF- with Pure or Ziconiated Hemisphere shape tungsten tip

Base Thickness	Filler Wire Size	Tungsten	Amps	Consumption LB/100FT	Gas Cup Size	Argon(cfh)
1/16"	1/16"	1/16"	60-80	0.75	3/8"	20
3/32"	3/32"	3/32"	85-120	1.00	3/8"	20
1/8"	3/32"	3/32"	125-160	1.50	3/8"	20
3/16"	1/8"	1/8"	190-220	4.5-6.0	7/16"	25
1/4"	5/32"	5/32"	200-300	8-10	1/2"	30
3/8"	3/16"	3/16"	330-380	15-20	5/8"	35
1/2"	1/4"	1/4"	400-500	25-40	5/8"	40

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Aluminum 4043 product data sheet PRO-0022 2015-09-23 FINAL