

ALLOY 1100 | Al99.0Cu

KEY FEATURES

- Highly resistant to chemical corrosion and has good crack resistance
- Suitable for electrical and chemical applications utilizing aluminum base metal with little or no alloying elements

ADVANTAGES

- All-position aluminum MIG wire
- Superior wire surface finish for the best feedability and arc performance
- Optimal manufacturing process to precisely control chemical composition
- State-of-the-art testing equipment to ensure trouble-free performance of the weld wire
- Manufactured under a quality system certified to ISO 9001 standard

TYPICAL APPLICATIONS

- Joining 1XXX alloys to themselves
- Buss bars
- Electrical boxes
- Heat exchangers
- Metallizing
- Chemical, construction and food industry

CONFORMS TO

- ISO 18273:2004
- AWS/ASTM A5.10/A5.10M:2012

SHIELDING GAS

- 100% Argon
- Argon/Helium Mixtures
- Flow Rate: 30 - 50 CFH (14.2 - 23.6 L/min)

CHEMICAL COMPOSITION

ALUMINUM ASSOCIATION	1100
AWS/ASTM A5.10 /A5.10M: 2012	ER1100 R1100
ISO 18273:2004 Numeral	S Al 1100
ISO 18273:2004 Chemical	Al99.0Cu
EN 573-3	EN AW-Al99.0Cu

CHEMICAL COMPOSITION (%)		TYPICAL RESULTS
Al	99.00 Min.	Remainder
Si	A	0.06
Fe	A	0.12
Cu	0.05-0.20	0.09
Mn	≤0.05	<0.001
Mg	-	<0.02
Cr	-	0.001
Zn	≤0.10	<0.005
V	-	-
Ti	-	0.01
Be	≤0.0003	0.0000

APPROVALS

CWB

CANADIAN WELDING BUREAU

per AWS A5.10-2012

See Product Approval Chart Pg.21

PACKAGING

WIRE DIAMETER inches (mm)	PLASTIC SPOOL				BASKET SPOOL	ACCUPAK	ROD DIAMETER inches (mm)	TIG BOX	
	1 LB (0.45 KG)	5 LB (2.26 KG)	16 LB (7.26 KG)	20 LB (9 KG)	15.43 LB (7 KG)	300 LB (136KG)		10 LB (4.54 KG)	22.05 LB (10 KG)
0.030" (0.8 mm)	✓	✓	✓	✓	✓	✓	1/16" (1.6 mm)	✓	✓
0.035" (0.9 mm)	✓	✓	✓	✓	✓	✓	5/64" (2.0 mm)	✓	✓
0.040" (1.0 mm)	✓	✓	✓	✓	✓	✓	3/32" (2.4 mm)	✓	✓
3/64" (1.2 mm)	✓	✓	✓	✓	✓	✓	1/8" (3.2 mm)	✓	✓
1/16" (1.6 mm)	✓	✓	✓	✓	✓	✓	5/32" (4.0 mm)	✓	✓
							3/16" (4.8mm)	✓	✓

See AccuPak Payoff Accessories Pg.25