

# ALLOY 1070 | AI99.7

## 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
- Buss bars
- Electrical boxes
- Heat exchangers
- Metallizing
- Electrical, Chemical, construction and food industry
- Low strength corrosion resistant vessels and tanks

## CONFORMS TO

- EN 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	1070
AWS/ASTM A5.10/A5.10M: 2012	ER1070 R1070
ISO 18273:2004 Numeral	S AI 1070
ISO 18273:2004 Chemical	AI99.7
EN 573-3	EN AW-1070A

CHEMICAL COMPOSITION (%)		TYPICAL RESULTS
Al	99.70 Min.	99.82
Si	≤0.20	0.06
Fe	≤0.25	0.09
Cu	≤0.04	0.005
Mn	≤0.03	<0.001
Mg	≤0.03	<0.001
Cr	-	0.000
Zn	≤0.04	<0.001
V	≤0.05	<0.010
Ti	≤0.03	<0.005
Be	≤0.0003	0.0000

## 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