

ALLOY 2319 | AlCu6MnZrTi

KEY FEATURES

- Primarily used as the filler metal for alloy 2219
- Provides higher strength and better ductility than 4XXX filler alloys when welding on 2XXX base materials
- Provides superior resistance to stress corrosion cracking where high temperature properties are required

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

- Aircraft and aerospace industries
- High strength structural application
- Military

CONFORMS TO

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

SHIELDING GAS

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

CHEMICAL COMPOSITION

ALUMINUM ASSOCIATION	2319
AWS/ASTM A5.10 /A5.10M: 2012	ER2319 R2319
ISO 18273:2004 Numeral	S Al 2319
ISO 18273:2004 Chemical	AlCu6MnZrTi
EN 573-3	EN AW-AlCu6Mn(A)

CHEMICAL COMPOSITION (%)		TYPICAL RESULTS
Al	Remainder	Remainder
Si	≤0.20	0.13
Fe	≤0.30	0.16
Cu	5.8-6.8	6.2
Mn	0.20-0.40	0.24
Mg	≤0.02	0.009
Cr	-	0.003
Zn	≤0.10	0.01
V	0.05-0.15	0.08
Ti	0.10-0.20	0.14
Be	≤0.0003	< 0.0001
Zr	0.10-0.25	0.13

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