

ALLOY 4043 | AISi5

KEY FEATURES

- Designed for welding heat-treatable base alloys and including 6XXX series alloys
- Lower melting point and more fluidity than 5XXX series filler alloys
- Low sensitivity to weld cracking with 6XXX series base alloys
- General purpose filler alloy and one of the most widely used welding and brazing alloys
- Excellent when aesthetics are of importance
- Not recommended for material to be anodized

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

- For welding 6XXX alloys, and most casting alloys
- Automotive components
- Bicycle frames
- Recreation

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)

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)	275 LB (125KG)		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

CHEMICAL COMPOSITION

ALUMINUM ASSOCIATION	4043
AWS/ASTM A5.10 /A5.10M: 2012	ER4043 R4043
ISO 18273:2004 Numeral	S Al 4043
ISO 18273:2004 Chemical	AISi5
EN 573-3	EN AW-AISi5(A)

CHEMICAL COMPOSITION (%)		TYPICAL RESULTS
Al	Remainder	Remainder
Si	4.5-6.0	5.0
Fe	≤0.8	0.15
Cu	≤0.30	0.03
Mn	≤0.05	<0.001
Mg	≤0.05	<0.02
Cr	-	<0.001
Zn	≤0.10	0.005
V	-	-
Ti	≤0.20	0.01
Be	≤0.0003	0.0000

APPROVALS

DB	DEUTSCHE BAHN	61.191.04
CWB	CANADIAN WELDING BUREAU	per AWS A5.10-2012
ABS	AMERICAN BUREAU OF SHIPPING	per AWS A5.10-2012
TÜV	TECHNISCHER UBERWACHUNGS-VEREIN	

See Product Approval Chart Pg.21