

ALLOY 5754 | AlMg3

KEY FEATURES

- Magnesium alloyed aluminum for welding of alloys with a maximum of 3.0% Mg
- Good corrosion resistance and excellent color match after anodizing
- Suitable for a wide range of applications in general construction and structural industry

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

- Automotive components
- Storage tanks
- Ship building

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	5754
AWS/ASTM A5.10 /A5.10M: 2012	ER5754 R5754
ISO 18273:2004 Numeral	S Al 5754
ISO 18273:2004 Chemical	AlMg3
EN 573-3	EN AW-AlMg3

CHEMICAL COMPOSITION (%)		TYPICAL RESULTS
Al	Remainder (Mn+Cr) 0.10-0.6	Remainder
Si	≤0.40	0.06
Fe	≤0.40	0.14
Cu	≤0.10	0.005
Mn	≤0.50	0.29
Mg	2.6-3.6	3.02
Cr	≤0.30	0.06
Zn	≤0.20	0.003
V	-	-
Ti	≤0.15	0.06
Be	≤0.0003	0.0001

APPROVALS

TÜV

TECHNISHER ÜBERWACHUNGS-VEREIN

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