

# ALLOY 5356 | AlMg5Cr(A)

## KEY FEATURES

- General purpose filler alloy for welding 5XXX series alloys
- The most widely used welding alloy

## 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
- Shipbuilding industry
- Railway industry
- Trailer industry
- General Fabrication
- Power industry

## 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	5356
AWS/ASTM A5.10 /A5.10M: 2012	ER5356 R5356
ISO 18273:2004 Numeral	S Al 5356
ISO 18273:2004 Chemical	AlMg5Cr(A)
EN 573-3	EN AW-AlMg5Cr(A)

CHEMICAL COMPOSITION (%)		TYPICAL RESULTS
Al	Remainder	Remainder
Si	≤0.25	0.05
Fe	≤0.40	0.12
Cu	≤0.10	0.005
Mn	0.50-0.20	0.12
Mg	4.5-5.5	4.9
Cr	0.05-0.20	0.12
Zn	≤0.10	0.005
V	-	-
Ti	0.06-0.20	0.09
Be	≤0.0003	< 0.0003

## APPROVALS

<b>DB</b>	DEUTSCHE BAHN	61.191.02	<b>GL</b>	GERMANISHER LLOYD	R Al Mg 4
<b>CWB</b>	CANADIAN WELDING BUREAU	per AWS A5.10:2012	<b>DNV</b>	DET NORSKE VERITAS	5356
<b>ABS</b>	AMERICAN BUREAU OF SHIPPING	WB	<b>BV</b>	BUREAU VERITAS	WB
<b>TÜV</b>	TECHNISCHER UBERWACHUNGS-VEREIN		<b>LR</b>	LLOYD'S REGISTER	WB/I-1

## PACKAGING

See Product Approval Chart Pg.21

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