

# MAL 5356

Gas Metal Arc (MIG) Welding Wire - Aluminium Alloys

### Standards

AWS/ASME SFA - 5.10	ER5356
EN ISO 18273	S Al 5356 (AlMg5Cr(A))
TS 6204 EN ISO 18273	S Al 5356 (AlMg5Cr(A))
DIN M. No.	3.3556

### Properties and Applications

5% Magnesium containing aluminium welding wire for GMA (MIG) welding of Al-Mg alloys and Al-Mg-Si alloys. Very good corrosion resistance especially in sea water and gives excellent ductility.

### Materials

DIN	Material
AlMgSi 1	3.2315
G-AlMg 5	3.3561
G-AlMg 5 Si	3.3261
AlZn 4.5 Mg 1	3.4335
G-AlMg 3 Si	3.3241
AlMg 2 Mn 0.8	3.3527
AlMg 3	3.3535
G-AlMg 3	3.3541
AlMg 5	3.3555
AlMg 4.5	3.3345
AlMg1	3.3315
Al Mg 1.5	3.3316
Al Mg 1.8	3.3326
Al Mg 2.5	3.3523

### Typical Chemical Features of the Welding Wire

Type of Analysis	Cr	Al	Mg
Welding Wire	0.10	95.15	4.75

### Typical Mechanical Values of Weld Metal

Test Condition	Protection Gas	Tensile Strength (N/mm <sup>2</sup> )	% 0,2 Yield Strength (N/mm <sup>2</sup> )	Elongation A5 (%)
As welded	I1	240	110	26

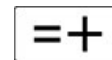
\* Chemical composition and mechanical properties are valid when using shielding gas EN ISO 14175 - I1 (%100 Ar) .

### Application Information

#### Welding Positions



#### Polarity:



#### Protection Gas:

I3 I1 I2

#### Welding Parameters & Efficiency

Diameter (mm)
0.80
1.00
1.20

### Packaging Information

Product Code	Diameter (mm)	Quantity per Box	Box Gross Weight (kg)	Boxes per Outer Box	Outer Box Gross Weight (kg)	Packaging Type
24004BBAM2	0.80	2 kg	2.30	1	2.30	Plastic Spool (D200)
24004BJAM5	0.80	7 kg	7.60	1	7.60	Wire Basket Spool (K300MS)
24004DBAM2	1.00	2 kg	2.30	1	2.30	Plastic Spool (D200)
24004DJAM5	1.00	7 kg	7.60	1	7.60	Wire Basket Spool (K300MS)
24004EJAM2	1.20	7 kg	7.10	1	7.10	Wire Basket Spool (K300MS)
24004EJAM5	1.20	7 kg	7.60	1	7.60	Wire Basket Spool (K300MS)

**Storage & Re-Drying Information**

Shouldn't be exposed to high static load and impact.  
It should be stored in a dry room (relative humidity < 50%, room temperature > 20°C) on wooden pallets.