

# MAL 1100

Gas Metal Arc (MIG) Welding Wire - Aluminium Alloys

### Standards

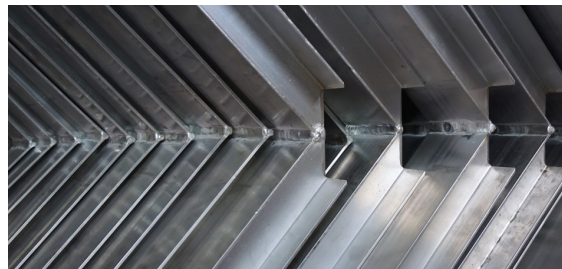
AWS/ASME SFA - 5.10	~ER1100
AWS/ASME SFA - 5.10	ER1070
EN ISO 18273	S Al 1070 (Al99.7)
TS 6204 EN ISO 18273	S Al 1070 (Al99.7)
DIN M. No.	3.0259

### Materials

DIN	Material
Al 99.0	3.0205
Al 99.5	3.0255
Al 99.7	3.0275
Al 99.8	3.0285

### Properties and Applications

Aluminium welding wire electrode for GMA (MIG) welding of pure aluminium base metals. Exhibits high corrosion resistance and has high electrical conductivity. Has color match with pure aluminium base metals.



### Typical Chemical Features of the Welding Wire

Type of Analysis	Al
Welding Wire	99.50

### 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	65	20	35

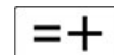
\* Chemical composition and mechanical properties are valid when using shielding gas EN ISO 14175 - I1 (%100 Ar) .

### Application Information

#### Welding Positions



#### Polarity:



Protection Gas:  
I3 I1 I2

#### Welding Parameters & Efficiency

Diameter (mm)
1.60
2.00

### Packaging Information

Product Code	Diameter (mm)	Quantity per Box	Box Gross Weight (kg)	Boxes per Outer Box	Outer Box Gross Weight (kg)	Packaging Type
24000HJAM2	2.00	7 kg	7.10	1	7.10	Wire Basket Spool (K300MS)
24000HJAM5	2.00	7 kg	7.60	1	7.60	Wire Basket Spool (K300MS)

### Storage & Re-Drying Information

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