

❖ Product Description

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| I. Magnesium content is 5% | IV. Higher shear strength due to presence of Mg |
| II. Smooth wire feedability with efficient welding | V. Uniform weld beads |
| III. Good corrosion resistance, when exposed to salt water | VI. Radiographic weld quality |

❖ Range of Application

- | | |
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| I. For welding aluminium alloy 5050, 5052, 5083, 5356, 5454 and 5456 | II. Pressure vessels, nuclear ship building, boiler, space industry, etc. |
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❖ Classification

- AWS/SFA 5.10 ER5356

❖ Chemical Composition

Type of Wire		Si	Fe	Mn	Mg	Zn	Ti	Cu	Al	Be	Other Each	Other Total
ER5356	Min	-	-	0.05	5.50	-	0.06	-	-	-	-	-
	Max	0.25	0.40	0.20	4.50	0.10	0.20	0.10	Bal	0.003	0.05	0.15

❖ Mechanical Properties of all weld metal

Condition	UTS, MPa (Min)	YS, MPa (Min)	% Elongation	Charpy "v" Notch Impact @ -30°C
-	262	-	20	-

❖ Wire Size & Welding Position

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| • Diameter in mm- 0.60, 0.80, 0.90, 1.00, 1.20, 1.40, 1.60 | • Weld Position- All position |
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❖ Current & Gas Flow

- DCEP; 15-22lit/min

❖ Packaging

Size Available in mm	0.60, 0.80, 0.90, 1.00, 1.20, 1.40, 1.60			
Packing Code	A	B	C	D
Packing Available	SD 100	SD200	SD270	SD 300
Net Weight of Wire	0.5KG	1KG	7KG	7KG

Special Notes: -

- (1) All the value above mentioned are typical values.
- (2) Usually all chemistry and mechanical properties will depend on actual wire chemistry and arc voltage used for welding.

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