

## ❖ Product Description

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| I. Copper coated Carbon Molybdenum Wire.                             | IV. The wire feeding is smooth which results in stable arc for ease in welding |
| II. The wire strength increases at elevated temperatures             | V. The weld beads are uniform  |
| III. The weld is of radiographic quality with shine on upper surface |  |

## ❖ Range of Application:

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|--|--|
| I. Can be used for welding high pressure boilers | IV. Weight lifting machines such as cranes and lifts |
| II. Effectively used for 15Mo3, 16Mo3, 14Mo6     | V. Can be applied in structural steel engineering    |
| III. Suitable for welding low alloy steels       |  |

## ❖ Classification:

- AWS/SFA 5.28 ER70-SA1

## ❖ Chemical Composition

Type of Wire		C	Mn	S	Si	P	Cu	Ni	Mo	Other Elements Total
ER70S-A1	Min	-	-	-	0.30	-	-	-	0.40	-
	Max	0.12	1.30	0.025	0.70	0.025	0.35	0.20	0.65	0.50

## ❖ Mechanical Properties of all weld metal

Condition	UTS, MPa (Min)	YS, MPa (Min)	% Elongation	Charphy "v" Notch Impact @ 0°C
-	515	400	19	-

## ❖ Wire Size & Weld Position

- Diameter in mm-1.6, 2.0 2.40,3.20,4.00 and 5.00.
- All position

## ❖ Current and Gas- Flow Rate

- DCEN & 8-15 lit/min

## ❖ Packaging

Sizes available in cut length of 1000mm	1.60,2.00,2.40,3.20,4.00,5.00			
Packing Code	A		B	
Packing Available	5kg PLASTIC TUBE	20KG BOX	10KG PAPER TUBE	20KG BOX
Net Weight of Wire	5	20	10	20

### Special Note: -

**All the value above mentioned are typical values.**

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- Usually all chemistry and mechanical properties will depend on actual wire chemistry and arc voltage used for welding.

## **SHAKUNT ENTERPRISES PRIVATE LIMITED**

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