

❖ Product Description

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|-------------------------------------|--------------------------------------------|
| I. Gas shielded, rutile type wire | IV. Suitable for single and multipass weld |
| II. Low fumes, very less spatter | V. All position accessibility |
| III. The rate of deposition is high | VI. Radiographic weld quality |

❖ Range of Application

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|----------------------------------------------------------------------|-----------------------------------------|
| I. Extremely suitable for welding of C-Mn with high tensile strength | III. Chemical plant, machinery, hull |
| II. Finds application in bridges, cranes, towers etc. | IV. Storage tanks, structural steels |
| | V. For general carbon steel fabrication |

❖ Classification

- AWS/SFA 5.20 E71T-1C

❖ % Chemical Composition

Type of Wire		C	Mn	Si	S	P	Cr	Ni	Mo	V	Cu
E71T-1C	Min	-	-	-	-	-	-	-	-	-	-
	Max	0.12	1.75	0.90	0.03	0.03	0.20	0.50	0.30	0.08	0.35

❖ Mechanical Properties of all weld metal

Condition	UTS, MPa	YS, MPa (Min)	% Elongation	Charphy "v" Notch Impact @ -29°C
As Welded	480-655	400	22	27min

❖ Wire Size & Welding Position

- Diameter in mm- 1.2, 1.6
- Weld Position- All position

❖ Current & Gas Flow

- DCEP; 18-25lit/min

❖ Packaging

- Standard packaging in 15kg Spool form

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.

SHAKUNT ENTERPRISES PRIVATE LIMITED

Corporate Office: - 619/A, EMMAR DIGITAL GREEN, 6th Floor, Sector-61, GURUGRAM (HARYANA)-122102

E-Mail:- info@shakunt.com

Ludhiana Works:- B-XXIX-595/5,Campa Cola Road,Dhandari Kalan Industrial Area-C,Ludhiana (PUNJAB) INDIA

Dharwad Works:- Plot no.577 C & D,Belur Industrial Area,Dharwad-580011 (KARNATAKA) INDIA

Vadodara Works:- 67-A,G.I.D.C,Majusar,Savli,Vadodara-397115 (GUJARAT) INDIA