

# GETIG 70S3

## MILD STEEL COPPER COATED WELDING WIRE

### IDENTIFICATION

GETIG 70S3, ER 70S3

### CLASSIFICATION

AWS A-5.18: ER70S3

### DESCRIPTION

Mild Steel Copper Coated Welding Wire suitable for CO2 gas protective welding, with stable feasibility, good welding seams, less spatter and excellent welding process properties. Also used to weld high tensile steel at 490 N/mm<sup>2</sup> grade, high speed thin plate, usually used for steel 35, 45.

### CHEMICAL ANALYSIS (RANGE) %

C	Mn	Si	Cu	S	P
0.06 - 0.15	0.90 - 0.14	0.45 - 0.75	≤0.5 max	≤0.035 max	≤0.025 max

### MECHANICAL PROPERTIES (RANGE)

UTS (MPa)	YS (MPa)	EL (%) (L=4D)	CVN Impact Value	
			Temp	Joules
480 min	400 min	22 min	-30°C	≥27 (-18)

### TYPICAL APPLICATIONS

- For welding carbon steel tubes & plates such as A106 grade B etc.
- For welding of structural, pressure vessels and boilers involving unalloyed and micro alloyed structural

steel with specified tensile strength upto 410 -520 MPa.

**SHIELDING GAS :** Pure Argon

### PACKING PARAMETERS

Size (mm)	Length (mm)	Packing / Pkt (kg)	Packing / Box (kg)
1.2	1000	5	5 x 4 = 20
1.6	1000	5	5 x 4 = 20
2.40 / 2.50	1000	5	5 x 4 = 20
3.15 / 3.20	1000	5	5 x 4 = 20