

# GETIG 70S2

## IDENTIFICATION

GETIG 70S2, ER 70S2

## CLASSIFICATION

AWS A-5.18: ER 70S-2

## DESCRIPTION

Copper coated filler wire has Al, Ti and Zr as strong deoxidants with Mn and Si content. The wire has very low impurities such as S, P etc and is suitable for applications involving subzero temperatures up to -300C. This has advantages of semi - killed steels or rusty and contaminated joint area. Smooth flow and gives shiny bead under optimum welding conditions. The deposited weld meet x ray/radiographic quality code requirement.

## CHEMICAL ANALYSIS (RANGE) %

C	Mn	Si	Zr	Al	Ti	S	P
0.07 max	0.9 - 1.4	0.40 - 0.70	0.02 - 0.12	0.05 - 0.15	0.05 - 0.15	0.020 max	0.025 max

## MECHANICAL PROPERTIES (RANGE)

TS (N/mm <sup>2</sup> )	YS (N/mm <sup>2</sup> )	EL (%) (L=4D)	CVN Impact Value	
			Temp	Joules
510 - 620	410 - 550	22 - 28	-30°C	30 - 90

## TYPICAL APPLICATIONS

- For welding of structural, pressure vessels and boilers involving unalloyed and micro alloyed structural steel with specified tensile strength upto 550N/mm to meet sub zero Impact requirements down to -30°C.
- ASTM A 36, A106 A/B/C, A139 etc
- A516 Grade 70 etc.

**SHIELDING GAS :** Pure Argon

## PACKING PARAMETERS

Size (mm)	Length (mm)	Packing / Pkt (kg)	Packing / Box (kg)
1.6	1000	5	5 x 4 = 20
2	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