

# STRONG 70S-2

CLASSIFICATION: AWS SFA 5.18 ER 70S-2

## Copper Coated Solid Wire For MIG & TIG Welding



### CHARACTERISTICS

STRONG 70S-2 is a copper-coated carbon-manganese steel wire with tripple de-oxidizers (Ti, Zr, Al) which enhances deoxidation when welding over steels that are rusty or dirty. It is also suitable for welding thin, galvanized or electro-galvanized material with x-ray quality welds.

### APPLICATIONS

STRONG 70S-2 is designed for welding most carbon-manganese steels including structural steel, MS steel plates, pipes, fittings, castings and forgings.

This product is also a preferred wire for all position welding of small diameter pipes.

### TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Cu	Ti	Zr	Al
0.07 MAX	0.90- 1.40	0.40- 0.70	0.025 MAX	0.025 MAX	0.50 MAX	0.05- 0.15	0.02- 0.12	0.05- 0.15

### ALL WELD MECHANICAL PROPERTIES

Required as per AWS 5.18	Y.S.	U.T.S.	ELONGATION	IMPACT VALUE AT -30°C
	MPa	MPa	%	JOULE
	≥400	≥490	≥22	≥27
Typical	440	535	27	66

### PACKAGING SPECIFICATIONS - MIG

DIA SIZE 0.80MM / 1.00MM / 1.20MM / 1.60MM / 2.00MM

SPOOL WEIGHT 1KGS / 5KGS / 12.5KGS / 15KGS / 17.5KGS

DRUM WEIGHT 100KGS / 150KGS / 250KGS / 300KGS / 350KGS

### PACKAGING SPECIFICATIONS - TIG

DIA SIZE 1.60MM / 2.00MM / 2.40MM / 3.15MM / 4.00MM

WEIGHT 5KGS / 20KGS