

# STRONG 70S-3

CLASSIFICATION: AWS SFA 5.18 ER 70S-3

## Copper Coated Solid Wire For MIG & TIG Welding



### CHARACTERISTICS

STRONG 70S-3 has moderate levels of silicon and manganese suitable for general purpose welding of carbon steels with clean to light levels of rust, oil and mill scale.

STRONG 70S-3 produces a smooth & stable arc, producing a clean weld bead.

### APPLICATIONS

STRONG 70S-3 can be used for general steel frame fabrication, automotive components, farm equipment, construction equipment, pressure vessels and pipe fabrication.

Welders should avoid welding steel which has oil, mill scale, or other contaminants.

### TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Cu
0.06-0.10	0.90-1.40	0.45-0.75	0.025 MAX	0.025 MAX	0.35 MAX

### 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	445	530	29	67

### 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