

# STRONG 120S-1

CLASSIFICATION: AWS SFA 5.28 ER 120S-1

Copper Coated Solid Wire For MIG & TIG Welding



## CHARACTERISTICS

STRONG 120S-1 is used for a variety of steels where very high strength and ductility are important. This wire is designed to give high notch toughness, yield strength and very good impact resistance to cold cracking.

## APPLICATIONS

STRONG 120S-1 is suitable for welding of all steels in the 100,000 psi range including T-1 and HY100. Applications in lifting and handling machines, earth moving equipment, bridges, tanks, transportation equipment, shipbuilding, railway sector, mines, etc.

## TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Cu	Ni	Cr	Mo	Ti
0.10 MAX	1.40- 1.80	0.25- 0.60	0.010 MAX	0.010 MAX	0.25 MAX	2.00- 2.80	0.60 MAX	0.30- 0.65	0.10 MAX

## ALL WELD MECHANICAL PROPERTIES

Required as per AWS 5.28	Y.S.	U.T.S.	ELONGATION	IMPACT VALUE AT -50°C
	MPa	MPa	%	JOULE
	≥725	≥825	≥15	≥50
Typical	760	865	17	75

## 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