

# STRONG 100S-G

CLASSIFICATION: AWS SFA 5.28 ER 100S-G

Copper Coated Solid Wire For MIG & TIG Welding



## CHARACTERISTICS

STRONG 100S-G is a low alloy - High Strength steel wire with very low impurities for welding of high strength steels. It provides smooth flow, stable arc and spatter free welding under optimum conditions for x-ray quality welds.

## APPLICATIONS

STRONG 100S-G is suitable for joining of the high strength low alloy steels and fine grained constructional steels where high impact toughness at low temperatures is required. Applications in joining large vehicles, earth moving equipment, pipelines, tankers, containers and crane manufacturing.

## TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Cu	Ni	Cr	Mo	Ti
0.07-0.10	1.50-1.90	0.40-0.70	0.020 MAX	0.020 MAX	0.50 MAX	0.80-1.00	0.30-0.50	0.30-0.50	0.06-0.10

## ALL WELD MECHANICAL PROPERTIES

Typical as per AWS 5.28	Y.S.	U.T.S.	ELONGATION
	MPa	MPa	%
	740	825	17

## 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