

STRONG 120S-G (M)

CLASSIFICATION: AWS SFA 5.28 ER 120S-G



Copper Coated Solid Wire For MIG & TIG Welding

CHARACTERISTICS

STRONG 120S-G (M) is a low alloy - High Strength steel wire with very low impurities for welding of high strength steels with minimum yield strength of 860 N/mm². It provides smooth flow, stable arc and spatter free welding under optimum conditions for x-ray quality welds along with **higher Nickel addition to the weld metal.**

APPLICATIONS

STRONG 120S-G (M) 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 where higher Ni% is required in the weld metal.

TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Cu	Ni	Cr	Mo	Ti
0.07- 0.10	1.50- 1.90	0.60- 0.90	0.020 MAX	0.020 MAX	0.50 MAX	2.00- 2.50	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	%
	870	935	18

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