

STRONG 110S-1

CLASSIFICATION: AWS SFA 5.28 ER 110S-1



Copper Coated Solid Wire For MIG & TIG Welding

CHARACTERISTICS

STRONG 110S-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 110S-1 is suitable for welding of all steels in the 100,000 psi range including T-1, HY80 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	V	Zr	Al
0.09	1.40-	0.20-	0.010	0.010	0.25	1.90-	0.50	0.25-	0.10	0.04	0.10	0.10
MAX	1.80	0.55	MAX	MAX	MAX	2.60	MAX	0.55	MAX	MAX	MAX	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
	≥660	≥760	≥15	≥50
Typical	760	850	17	85

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