

STRONG 90S-B92

CLASSIFICATION: AWS SFA 5.28 ER 90S-B92



Copper Coated Solid Wire For MIG & TIG Welding

CHARACTERISTICS

STRONG 90S-B92 is modified version of STRONG 90S-B91 copper-coated solid welding wire added with 1.75% Tungsten specially designed for martensitic steels (T9/P92). The weld metal exhibits a fully tempered martensitic microstructure with favorable mechanical properties in post weld heat treated condition.

APPLICATIONS

STRONG 90S-B92 gives stable arc, smooth welding performance and deposits radiographic quality welds. This wire is used for components such as main steam piping and turbine casings in power plants. Suitable for steels to A213 T92(Seamless tube), A335 P92 (Seamless pipe), A387 Gr92(Plate), A182/A336 F92(forging), A234 WP92, etc.

TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Cu	Ni	Cr	Mo	W	V	Nb	N
0.08-0.15	1.20 MAX	0.15-0.50	0.015 MAX	0.010 MAX	0.25 MAX	0.80 MAX	8.00-10.00	0.30-0.70	1.50-2.00	0.15-0.30	0.04-0.08	0.03-0.08

ALL WELD MECHANICAL PROPERTIES

Required as per AWS 5.28	Y.S.	U.T.S.	ELONGATION
	MPa	MPa	%
	≥410	≥620	≥16
Typical	570	680	22

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