

# STRONG 80S-B6

CLASSIFICATION: AWS SFA 5.28 ER 80S-B6

Copper Coated Solid Wire For MIG & TIG Welding



## CHARACTERISTICS

STRONG 80S-B6 is a high strength - low alloy steel wire with very low impurities for welding of high strength steels, typically suitable for welding 5Cr - 0.5Mo steel. The weld metal possesses very good high temperature properties and excellent creep property up to 550°C.

## APPLICATIONS

STRONG 80S-B6 is suitable for welding of pipes & tubes of matching composition in Power plants, Refineries, Petrochemicals, Fertilizer plants, etc. where high tensile strength & good high temperature property along with heat resistance is desired from the weld metal.

## TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Cu	Ni	Cr	Mo
0.10 MAX	0.40- 0.70	0.50 MAX	0.025 MAX	0.025 MAX	0.35 MAX	0.60 MAX	4.50- 6.00	0.45- 0.65

## ALL WELD MECHANICAL PROPERTIES

Required as per AWS 5.28	Y.S.	U.T.S.	ELONGATION
	MPa	MPa	%
	≥470	≥550	≥17
Typical	540	645	23

## 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