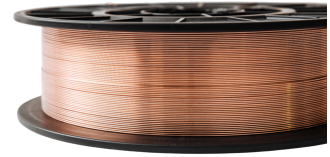


STRONG 80S-G (M)

CLASSIFICATION: AWS SFA 5.28 ER 80S-G,
CLASS-IV as Per IRS:M-46/20



Copper Coated Solid Wire For MIG & TIG Welding

CHARACTERISTICS

STRONG 80S-G (M) is a low alloy steel wire specially designed as per IRS: M-46/20 for qualification as per CLASS-IV. This wire provides smooth flow, stable arc and is spatter free under optimum welding conditions providing radiographic quality welds.

APPLICATIONS

STRONG 80S-G (M) is suitable for welding of railway wagons & components, fabrication of structures, penstock pipe-line, fabrication of railway equipment, bridges, etc. where high tensile strength property is desired from the weld metal with long operating life.

TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Cu	Ni	Cr
0.12	0.60-	0.25-	0.020	0.020	0.25-	0.30-	0.20-
MAX	1.20	0.70	MAX	MAX	0.65	0.80	0.70

ALL WELD MECHANICAL PROPERTIES

Required as per AWS 5.28	Y.S.	U.T.S.	ELONGATION	IMPACT VALUE AT -30°C
	MPa	MPa	%	JOULE
	≥470	≥550	≥17	≥27
Typical	540	620	23	45

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