

STRONG EM2

CLASSIFICATION: AWS SFA 5.23 EM2

SAW Wire for Medium to High Strength Steels



CHARACTERISTICS & APPLICATIONS

STRONG EM2 is a copper-coated low alloy submerged arc welding (SAW) wire designed for welding carbon and low alloy steels requiring moderate strength and good toughness. It delivers stable arc performance, smooth bead appearance, and consistent mechanical properties when used with suitable SAW fluxes. This wire is widely used in structural fabrication, pressure vessels, pipelines, and heavy engineering industries where reliability and productivity are essential.

TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	S	P	Cr	Ni	Mo	Cu	V	Ti	Zr	Al
0.10	1.25-	0.20-	0.015	0.010	0.30	1.40-	0.25-	0.25	0.05	0.10	0.10	0.10
MAX	1.80	0.60	MAX	MAX	MAX	2.10	0.55	MAX	MAX	MAX	MAX	MAX

PACKAGING SPECIFICATIONS - SAW SPOOL PACK

DIA SIZE 1.60MM / 2.00MM / 2.40MM / 3.15MM / 4.00MM / 5.00MM

SPOOL WEIGHT 25KGS / 30KGS

PACKAGING SPECIFICATIONS - DRUM PACK

DIA SIZE 1.60MM / 2.00MM / 2.40MM / 3.15MM / 4.00MM / 5.00MM

WEIGHT 150KGS / 250KGS / 300KGS / 350KGS / 500KGS

RECOMMENDED COMBINATION SAW FLUX

WIRE SIZE 2.00MM AND ABOVE

STRONG FLUX 62G / STRONG FLUX 68X