

STRONG EM4

CLASSIFICATION: AWS SFA 5.23 EM4

SAW Wire for Medium to High Strength Steels



CHARACTERISTICS & APPLICATIONS

STRONG EM4 is a premium copper-coated low alloy SAW wire designed for applications requiring higher strength, improved toughness, and superior weld integrity. With increased manganese content compared to EM2 and EM3, EM4 delivers enhanced mechanical performance and reliability in demanding environments. It is ideally suited for critical structural and heavy fabrication applications, especially where strength and toughness are key requirements.

TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	S	P	Cr	Ni	Mo	Cu	V	Ti	Zr	Al
0.10	1.40-	0.20-	0.015	0.010	0.60	2.00-	0.30-	0.25	0.03	0.10	0.10	0.10
MAX	1.80	0.60	MAX	MAX	MAX	2.80	0.65	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