Inweld 7014

AWS A5.1 E7014

Chemical Composition of Inweld 7014

Fe	C	Cr	Ni	Mo	Mn	Si	P	S	N	V
Balance	0.15	0.20	0.230	0.30	1.25	0.90	0.35	0.35	---	0.08

Single values are maximum unless otherwise specified.

Description and Applications

Easy to use, high speed electrode for welding carbon and low alloy steels. Designed to run at higher amperage settings yielding greater deposition efficiency than 6012 or 6013 electrodes. Can be used on small AC as well as large DC machines. Excellent restrike capability, stable arc, low spatter, easy slag removal and a smooth weld bead with fine ripples are all characteristics of this electrode. For single or multiple-pass applications and in all positions including vertical down and overhead. Great for bridging over wide root openings created by poor joint fit-ups. Commonly used for tack welding sheet metal or galvanized, rusty or dirty plate steels. Other uses include ornamental iron, mobile home frames, automobiles and railcars, storage tanks, machine parts, structural steel for buildings.

Typical Weld Metal Properties

	AWS Spec
Tensile Strength:	70,000 psi
Yield Strength:	58,000 psi
Elongation:	17%

Recommended Parameters

SMAW (DCEP – Electrode+)

Wire Diameter	Voltage	Flat Amperage	Vertical & Overhead Amperage
3/32”		100-110	80-90
1/8”		130-140	120-130
5/32”		190-200	150-160