

# Inweld 7010-A1

AWS A5.5 E7010-A1

## Chemical Composition of Inweld 7010-A1

Fe	C	Cr	Ni	Mo	Mn	Si	P	S	N	Cu
Balance	0.12	---	---	0.40- 0.65	0.60	0.40	0.03	0.03	---	---

Single values are maximum unless otherwise specified.

## Description and Applications

Formulated specifically for welding pipe lines and is an excellent alternative to standard 6010 type pipe electrodes. A high cellulose electrode for welding Carbon- 1/2 Moly piping used in high pressure, high temperature steam service. Inweld 7010-A1 may be used in any position, but is best suited for vertical-up or vertical-down welding. Exhibits a forceful arc with deep penetration and a fast-freeze weld puddle. Inweld 7010-A1 is also used as a build-up and repair electrode on shafts, gear teeth, boilers, oil well castings, forging dies, and alloy chain links.

## Typical Weld Metal Properties

	<u>AWS Spec</u>
Tensile Strength:	70,000 psi
Yield Strength:	57,000 psi
Elongation:	22%

## Recommended Parameters

SMAW (DCEP – Electrode+)

<u>Wire Diameter</u>	<u>Voltage</u>	<u>Amperage</u>
3/32"		50-90
1/8"		75-130
5/32"		90-175
3/16"		140-225

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