Inweld 410

Chemical Composition of Inweld 410

C	Cr	Ni	Mo	Mn	Si	P	S	N	Cu	Fe
0.12	10.5-13.5	0.6	0.75	0.6	0.5	0.03	0.03	---	0.75	Balance

Single values are maximum unless otherwise specified.

Description and Applications

This 12% Cr Alloy is an air hardening steel. Preheat and postweld heat treatments are required to achieve welds of adequate ductility for many engineering purposes. The most common application of filler metal of this type is for welding alloys of similar composition. It is also used for deposition of overlays on carbon steels to resist corrosion, erosion or abrasion.

Procedure

Typical Weld Metal Properties

	AWS Spec
Average As-Welded Hardness:	
Tensile Strength:	75,000 (ksi)
Yield Strength:	
Elongation:	20%

Recommended Parameters

Wire Diameter	Voltage	Amperage