

KT-347

Classification

AWS A5.9/A5.9M

ER347

Applications and Features

- (1) Weld metal is austenite structure with 20%Cr-10%Ni-Nb.
- (2) Better intergranular corrosion resistance and strength at high temperature than 308LSi due to Nb content.
- (3) Ideal for welding AISI 308L, 321 and 347 stainless steel plates.

Typical Chemical Composition (wt%)

C	Si	Mn	P	S	Cr	Ni	Nb
0.04	0.42	1.60	0.012	0.010	20.15	9.92	0.78

Typical Mechanical Properties of Weld Metal (Shielding Gas : Ar)

Tensile Strength MPa	Yield Strength MPa	Elongation %
610	445	38

Sizes and Suggested Operating Range

Size mm	Current A	Gas Flow L/min	Shielding Gas
16	75- 100	25	Ar
24	150-200	25	Ar

Diam.	5 kg Tube
1.6mm	KT34716
2.4mm	KT34724

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