

AI-0210T

Specifications

AWS/ASME A5.9/A5.9M ER310

Description and Applications

Weld metal is a TIG consumable with an austenite structure (25%Cr-20%Ni). Superior corrosion resistance and strength at 1000°C due to high Ni and Cr content. Ideal for welding AISI 310S steel and dissimilar metals (carbon steel, Cr-Mo steel and stainless steel).

Also suitable for low temperature and non-magnetic applications.

Typical Weldmetal Analysis

C	Mn	Si	Cr	Ni	Fe	P	S
0.08	1.98	0.41	26.50	20.90	Bal	0.011	0.010

Mechanical Properties of Weldmetal

	As Welded
Tensile Strength:	610MPa
Yield Strength (0.2%):	465MPa
Elongation:	39% (4d)
Shielding Gas	100 % Argon

Welding Parameters

Diameter (mm)	Current type	Shielding Gas
1.6	DC (-)	I 1
2.4	DC (-)	I 1

Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.

All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at sales@alloysint.com.au

