

AI-1710

Specifications

AWS/ASME A5.9 ER410

Description and Applications

AI-1710 is a gas shielded MIG alloy depositing ferritic-martensitic steel designed to resist metal-to-metal wear, corrosion and thermal fatigue.

Applications: Suitable for continuous casting rolls, valve seats, impellers, steam turbine parts etc.

Typical Weldmetal Analysis

C	Mn	Si	Cr	Fe
0.07	0.60	0.30	12.80	Bal

Mechanical Properties of Weldmetal

	As Welded
Microstructure	Martensite, + a little ferrite
Machineability	Good with metallic carbide tipped tools
Hardness	40-44 HRC
Oxyacetylene Cutting	Cannot be flame cut
Deposit Thickness	Depends upon application and procedure
Shielding Gas	Argon + 2% Oxygen

Welding Parameters

Diameter (mm)	Current type	Amps
1.2	DC(+)	150-220
1.6	DC(+)	180-300

Spools size 15kg

Welding Positions

(1G, 1F) Downhand/flat position, (2F) Horizontal position, (2G) Horizontal vertical position

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



ALLOYS INTERNATIONAL PTY LTD

25 Raymond Road Laverton North Victoria 3026

Telephone: +61 3 8368 2222 | Facsimile: +61 3 8368 2200

ABN 53 112 712 286

sales@alloysint.com.au | www.alloysint.com.au