

AI-1716

Specifications

AS/NZS 2717.3 ES316LSi

AWS/ASME A5.9 ES316LSi

Description and Applications

AI-1716 is a molybdenum bearing, solid GMAW wire conforming to **AWS/ASME** A5.9:316LSi classification. **AI-1716** can be used for both dip and spray transfer.

Typical Weldmetal Analysis

C	Mn	Si	S	Ni	Fe	Cr	P	Mo	N
0.017	1.70	0.80	0.002	12.00	Bal	18.40	0.015	2.60	0.05

Mechanical Properties of Weldmetal

	As Welded
0.2% Proof Stress Yield Stress	400MPa
Tensile Strength	610MPa
Elongation (4d)	37%
Impact (Charpy V Notch)	>27J at – 196°C
Shielding Gas	Argon + 2% O₂ or 100% Argon

Welding Parameters

Diameter (mm)	Current type	Amps
0.9	DC(+)	120-180
1.2	DC(+)	150-220
1.6	DC(+)	180-300

Spools 12.5Kg

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

