

AI-0220T

Specifications

AWS/ASME A5.9/A5.9M: ER2209-17

Description and Applications

AI-0220T is a SAF 2209 TIG consumable for the welding of duplex (ferritic-austenitic) stainless steels of UNS S31803/S32205 type (e.g. Sandvik SAF 2205). It is characterized by very good welding properties and gives an austenitic-ferritic chromium/nickel/molybdenum weld metal with an extremely low carbon content for service temperatures up to 250°C (480°F).

Typical Weldmetal Analysis

C	Mn	Cr	Fe	Ni	Si	Mo	N
0.015	1.55	22	Bal	9	0.009	3.0	0.15

Mechanical Properties of Weldmetal

	As Welded
Tensile Strength	810 MPa
Yield Strength (0.2%)	615 Mpa
Elongation	30 % (4d)

Welding Parameters

Diameter (mm)	Current (A)	Shielding Gas
1.6	75-100	Argon
2.4	150-200	Argon

Also available as Electrode: **AI-0220** and MIG wire: **AI-17220**

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

