

TECHNICAL DATA SHEET



Super6 310 MIG

AWS A 5.9: ER 310
EN ISO 14343 : G 25 20
Date- 20.05.24 Revision 1

DESCRIPTION

Super6 310 MIG is a solid wire, which has high temperature ductility, excellent resistance to oxidation at working temperature <1100 °C. Used for the welding of 310,314 austenitic stainless steel pipe, plate and fittings used in fabrication of furnace and similar applications working at elevated temperature, heat exchangers and boilers

WELDING POSITIONS

PA,PB, PC, PF, PE, PF2

CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.08-0.15	1.60-2.50	0.30 0.65	25.00 28.00	20.00 22.00

MECHANICAL PROPERTIES

Yield strength	≥ 350
UTS N/mm ²	≥ 550
Elongation A5 %	≥ 30%

AVAILABLE FORMATS

SPOOL		
Diameter	15kg	
0.8mm	7175	
1.0mm	7176	
1.2mm	7177	

Shielding Gas	Argon 2%O ₂
Current Type	DC +

While all reasonable efforts have been made to ensure the accuracy of this information, it may change at any time and is only intended as general guidance.

TECHNICAL DATA SHEET



Super6 310 TIG

AWS A 5.9: ER 310
EN ISO 14343 : W 25 20
Date- 20.05.24 Revision 1

DESCRIPTION

Super6 310 MIG is a solid wire, which has high temperature ductility, excellent resistance to oxidation at working temperature <1100 °C. Used for the welding of 310,314 austenitic stainless steel pipe, plate and fittings used in fabrication of furnace and similar applications working at elevated temperature, heat exchangers and boilers

WELDING POSITIONS

PA ,PB ,PC, PG,PF, PE ,PF2

CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.08-0.15	1.60-2.20	0.30 0.65	25.00 28.00	20.00 22.00

MECHANICAL PROPERTIES

Yield strength	≥ 350
UTS N/mm ²	≥ 550
Elongation A5 %	≥ 30%

AVAILABLE FORMATS

TUBE	
Diameter	5.0KG
1.6mm	7229
2.4mm	7176
3.2mm	7177

Shielding Gas	Argon
Current Type	DC -

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