

TECHNICAL DATA SHEET



Super6 312 MIG

AWS A 5.9 : ER 312
EN ISO 14343 :G 29 9
Date 20.05.24 Revision 1

DESCRIPTION

Super6 312 is used for welding of steels such as medium and high carbon steels and dissimilar steel combinations. offering a high tolerance to dilution and therefore particularly suitable for depositing buffer layers prior to surfacing

WELDING POSITIONS

PA,PB, PC ,PF, PE ,PF2

CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.15 max	1.60 2.50	0.30 0.65	28.00 32.00	8.00 10.50

MECHANICAL PROPERTIES

Yield Strength	≥ 550
UTS N/mm ²	≥ 700
Elongation A5 %	≥ 22

AVAILABLE FORMATS

SPOOL		
Diameter	5.0kg	15.0kg
0.8mm	7208	7210
1.0mm	7209	7211

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 312 TIG

AWS A 5.9 : ER 312
EN ISO 14343 :W 29 9
Date 20.05.24 Revision 1

DESCRIPTION

Super6 312 is used for welding of steels such as medium and high carbon steels and dissimilar steel combinations. offering a high tolerance to dilution and therefore particularly suitable for depositing buffer layers prior to surfacing

WELDING POSITIONS

PA, PB, PC, PF, PE, PF2

CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.15 max	1.50 2.20	0.30 0.65	28.00 32.00	8.00 10.50

MECHANICAL PROPERTIES

Yield Strength	≥ 0450
UTS N/mm ²	≥ 650
Elongation A5 %	≥ 22

AVAILABLE FORMATS

TUBE		
Diameter	5.0kg	
1.6mm	7227	
2.4mm	7228	

Shielding Gas	Argon
Current Type	DC -

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