

# TECHNICAL DATA SHEET



## Super6 2594 TIG

AWS A 5.9 : ER 2594  
EN ISO 14343-A 25 9 4 N L  
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### DESCRIPTION

Austenitic- ferrite duplex stainless steel filler wire characterised by a PREN (Pitting Resistance Equivalent Number) at least 40, allowing the weld metal to be called Superduplex stainless steel.  
It provided excellent resistance to intergranular corrosion, pitting and stress corrosion cracking in a chloride environment. Very high mechanical strength. The grade is used for joining and surfacing of all duplex and superduplex stainless steels also used when welding carbon and low alloy steels to duplex, applications include petro-chemical, offshore , pulp and paper industries.

### WELDING POSITIONS

PA, PB, PC, PD, PE, PF, PG

### CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.03 MAX	2.00 max	1.00 max	24.00 27.00	8.00 10.50

### MECHANICAL PROPERTIES

Yield Strength	≥ 550
UTS N/mm <sup>2</sup>	≥ 620
Elongation	≥ 18%

### AVAILABLE FORMATS

TUBE		
Diameter	5.0kg	
1.6mm	7823	
2.4mm	7824	
3.2mm	7825	

Shielding Gas	Argon
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.