

## PRODUCT INFORMATION

### SIF Super Duplex TIG

EN ISO 14343-A : W 35 9 4 NL  
AWS A5.9 : ER2594

## DESCRIPTION

A solid, bare super duplex stainless steel TIG filler rod, for welding austenitic-ferritic alloys of the 25% Cr, 7% Ni, 4% Mo, low C types, where a high resistance to intergranular corrosion, stress corrosion and pitting is required.

## WELDING POSITIONS



For use in all positions except vertical down. Sifsteel Stainless Super Duplex is designed to be used to weld parent material of a similar composition and is common in sour applications where exposure to corrosive media is a problem.

## TYPICAL WELD METAL COMPOSITION

C	0.01%
Si	0.40%
Mn	0.40%
Ni	9.40%
Cr	25.2%
Mo	3.90%

## TYPICAL MECHANICAL PROPERTIES

Yield Strength	>660 N/mm <sup>2</sup>
Ult Tensile Strength	>835 N/mm <sup>2</sup>
Elongation	37%
Impact strength	-20° 200J

## MATERIAL TO BE WELDED

Super Duplex is widely used in applications where corrosion resistance is of primary importance. It is used for sheet and pipe applications, in the offshore and gas industry, chemical industries, and the pulp and paper industry.

## AVAILABLE FORMATS

WIRE RODS	
Dia	5kg
1.6mm	RT781650
2.4mm	RT782450
3.2mm	RT783250

Shielding Gas :	Ar, ArHe
Current :	DC=- 20A min 20A max

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email [service@weldability-sif.com](mailto:service@weldability-sif.com)



Doc Ref : SIF/PSI/RT781650