

## PRODUCT INFORMATION

### SIFSTEEL A32

EN ISO 21952-A: 2007 W CrMo1Si (1CML)  
BS: 2901 A32,  
AWS A 5.28: ER80S-B2

## DESCRIPTION

A copper coated alloy steel rod containing 1.0% chromium, 0.5% molybdenum. Ideal for creep resistant steels of a similar composition.

## WELDING POSITIONS



Low alloy copper-coated tig rod with 1.25% Cr and 0.5% Mo content to be used for the welding of creep-resistant steel.

## TYPICAL WELD METAL COMPOSITION

|    |       |
|----|-------|
| C  | 0.1 % |
| Si | 0.5 % |
| Mn | 1 %   |
| Cr | 1.3 % |
| Mo | 0.5 % |

## TYPICAL MECHANICAL PROPERTIES

|                      |                       |
|----------------------|-----------------------|
| Melting Point        | 1450 °C               |
| Ult Tensile Strength | 500 N/mm <sup>2</sup> |
| Hardness             | 180                   |

## MATERIAL TO BE WELDED

It is used in the chemical industry and in the ammonia synthesis process, for heat exchangers, boilers, piping and pressure vessels for temperature service up to about 550 °C. It will also find applications in the petro-chemical industries, suitable for facing on casting and for casting repairs.

## AVAILABLE FORMATS

| Dia   |  | 5.0kg Ctn |
|-------|--|-----------|
| 1.0mm |  | RA321050  |
| 1.2mm |  | RA321250  |
| 1.6mm |  | RA321650  |
| 2.4mm |  | RA322450  |

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email **service@wholeweld.co.uk**



Registered in England No. 1684362  
Registered Office: as above

Doc Ref : SIF/PI/RA321050