Weldability Sif

## PRODUCT INFORMATION

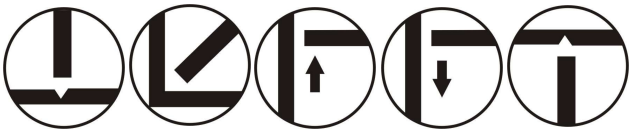
# SIFMIG A31

EN ISO 14341-A: G 46 0 C1 4Mo (G4Mo)
BS: 2901 A31,
AWS A 5.28: ER80S-D2

## DESCRIPTION

A copper coated, low-alloy steel wire containing 0.5% molybdenum. It is suitable for use on creep-resistant steels of similar composition, and in low-temperature pressure vessel and pipework applications.

## WELDING POSITIONS



This copper-coated low-alloy MIG wire provides a higher tensile strength and improved low-temperature performance.

## TYPICAL WELD METAL COMPOSITION

| | |
|---|---|
| C | 0.1 % |
| Si | 0.7 % |
| Mn | 1.8 % |
| Mo | 0.5 % |

## TYPICAL MECHANICAL PROPERTIES

| | |
|---|---|
| Melting Point | 1450℃ |
| Ult Tensile Strength | 460 N/mm² |
| Charpy V Impact @ -20℃ | ~100 J |
| Elongation | 180 |

## MATERIAL TO BE WELDED

This alloy is commonly used in pipeline applications, for heat exchangers, boilers, piping and pressure vessels for temperature service up to about 500℃. It will also find applications in the crane, excavator and offshore sectors.
To be used under the shield of Ar+CO2 or CO2 gas.

## AVAILABLE FORMATS

| SPOOLED WIRE (MIG / GMAW) | | | |
|---|---|---|---|
| Dia | | | 15kg |
| 0.8mm | | | WA310815 |
| 1.0mm | | | WA311015 |
| 1.2mm | | | WA311215 |

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

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