

## PRODUCT INFORMATION

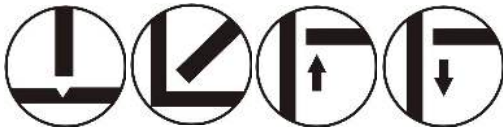
### SUPER SILICON No 9

[Proprietary]

#### DESCRIPTION

The rod is suitable for full fusion welding of cast iron, providing a high strength weld metal which is easily machinable. It gives an excellent colour match and has the same structure as grey cast iron. When oxy/acetylene welding, use with SIF CAST IRON flux for best results.

#### WELDING POSITIONS



Suitable for use in the production and construction industries, particularly the repair and maintenance of cracked, broken, or worn cast iron parts. Ideal for joining cast iron to HIG alloyed steel or cast iron to MN steel plates.

#### TYPICAL WELD METAL COMPOSITION

C	3.3 %
Si	3.0 %
Mn	0.7 %
S	0.1 %
P	0.5 %

#### TYPICAL MECHANICAL PROPERTIES

Melting Point	1250 °C
Ult Tensile Strength	200 N/mm <sup>2</sup>
Hardness	180

#### MATERIAL TO BE WELDED

This rod is square in section. The typical use is for joining castings, building up worn parts, surfacing new castings and for the repair of all cast iron items. Gives excellent colour match. Some pre-heating may be required before welding (not quite red hot) and a slow cooling rate is preferred, which may be achieved by wrapping the finished component, or immersing it in sand. Super Silicon No 9 can also be used in TIG welding if the surface has been ground away and angled to a fine point.

#### AVAILABLE FORMATS

1M ROD OXY/FUEL		
Dia	1.0kg Pkt	5.0kg
4.0mm	RO094001	RO094050
6.0mm		RO096050
10.0mm		RO091050

Gas Welding – Oxy / Acetylene

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email [service@wholeweld.co.uk](mailto:service@wholeweld.co.uk)



Registered in England No. 1684362  
Registered Office: as above

Doc Ref: SIF/PI/RO094001