

PRODUCT DATA SHEET

Afrox Super Silicon Cast Iron



A general purpose high silicon, square section rod for gas welding, and rebuilding grey cast irons. The weld deposit is machinable and gives an excellent colour match with similar corrosion resistance to the base metal. It is widely used for rebuilding and repairs to cylinder heads, water pumps, etc.

Typical Chemical Analysis (All weld metal)

% Carbon	3,0 - 3,6	% Sulphur	1,5 max
% Manganese	0,5 - 1,0	% Phosphorous	0,015 max
% Silicon	2,0 - 2,5		

Typical Mechanical Properties (All weld metal in the as welded condition)

Melting Range	1 100°C - 1 150°C
Tensile Strength	230 MPa
Approximate Brinell Hardness	285 HB

Brazing/Welding Parameters

Process	Oxy-acetylene
Flame Setting	Neutral
Flux	Cast iron flux (Item Number W001524)

Packing Data

Diameter (mm)	Electrode Length (mm)	Pack Mass (kg)	Item Number
5,0	500	5,0	W000372
6,0	500	5,0	W000373
10,0	500	5,0	W000374

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For more information contact the Afrox Customer Service Centre Tel: 0860 02 02 02
E-mail: customer.service@afrox.linde.com Website: www.afrox.com

