



PRODUCT INFORMATION

SIFMIG 5356

EN ISO 18273: S Al 5356 (AlMg5)
BS: 2901: 5356 (NG6)

DESCRIPTION

A general purpose solid aluminium wire with 5% magnesium that has excellent corrosion resistance and high strength. Precision layer wound for positive uninterrupted feeding. Ideal for both semi-automated and fully-automated systems.

WELDING POSITIONS



Suitable for use on plate, pipe, tube and components. Ensure that parent metal surface is cleaned and fully degreased prior to welding.

TYPICAL WELD METAL COMPOSITION

Mg	5 %
Al	Bal

TYPICAL MECHANICAL PROPERTIES

Melting Point	640 °C
Ult Tensile Strength	250 N/mm ²
Hardness	60

MATERIAL TO BE WELDED

Suitable for welding magnesium bearing aluminium alloys such as 5251 (N4), 5154 (N5), 5454 (N51) and also heat treatable alloys 6063 (H9), 6061 (H20) and 6082 (H30). Also suitable for welding forged and cast aluminium-manganese / aluminium-magnesium components, and dissimilar aluminium alloy grades containing a maximum of 5% Mg. Can also be used to weld components which are to be subsequently anodised. Pre-heating up to 120⁰C may be necessary, subject to material size and thickness. Wire brushing between passes is recommended to ensure removal of surface oxide build up.

AVAILABLE FORMATS

SPOOLED WIRE (MIG / GMAW)			
Dia	0.5kg	2.0kg	6.5kg
0.8mm	WO270805	WO270820	WO270865
1.0mm	WO271005	WO271020	WO271065
1.2mm	WO271205	WO271220	WO271265
1.6mm			WO271665

Current :	DC =+
Shielding Gas:	Argon, Argon/Helium

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



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