# SIFTIG 5556 Aluminium TIG Rod

## SIFALUMIN No. 37

An aluminium alloy containing 5.3% magnesium for welding aluminium alloys with up to approximately 5% magnesium that are not age-hardenable, and alloys where a higher tensile strength is required. All elements are closely controlled for optimum weld strength.

Suitable for use in the marine environment, where good corrosion resistance is required. Used for marine castings and fabrication, and also on 5083 (N8).

### Positions



For use in all positions.

| | |
|---|---|
| **Current** | AC |
| **Shielding Gas** | Ar, ArHe |

### Available Formats

| Dia. | 2.5kg |
|---|---|
| **1.6mm** | RO371625 |
| **2.4mm** | RO372425 |
| **3.2mm** | RO373225 |

### Typical Weld Metal Composition

| | | | | | |
|---|---|---|---|---|---|
| Si | 0.06% | Mn | 0.89% | Cr | 0.08% |
| Cu | 0.02% | Ti | 0.078% | Zn | 0.03% |
| Fe | 0.16% | Mg | 5.0% | Al | Bal |

### Typical Mechanical Properties

| | |
|---|---|
| Melting Point | 620°C |
| Ultimate Tensile Strength | 300N/mm$^2$ |
| Hardness | 70 |

### Standards

EN ISO 18273: S Al 5556A (AlMg5Mn)
(BS 2901 5556)