

Key Facts

- Premium 10% si double shaved tig/oxy wire
- Very low oxide levels resulting in superior welds
- Can be used as a substitute for 4043 wires to increase silicon in the weld metal, minimize hot cracking and produce higher fillet weld shear strength

Description

An aluminium alloy rod containing 10% silicon to produce higher weld sheer strength and minimise hot cracking. The slightly lower melting point and higher fluidity of 4047 make it ideal for brazing operations.

Classifications, Approvals & Conformances

A5.10 ER4047

Applications

Used to braze aluminium alloy sheets, extruded shapes and castings. Suitable to use when welding aluminium structures, for example aircraft, vehicles, boats and aluminium alloy furniture.

- Oxy and tig applications
- Automotive repairs
- Aluminium extrusions
- Heat exchangers
- Excellent maintenance wire

Recommended Shielding Gas

100% Argon Argon / Helium Mixtures Flow Rate: 30 - 50 CFH

Welding Positions

All positions

Typical Wire Analysis

Cu - Copper	Mn - Manganese	Si - Silicon	Others
< 0.30	< 0.15	11.0 – 13.0	< 0.15
Zn - Zinc	Fe - Iron	Mg - Magnesium	Al - Aluminium
< 0.20	< 0.80	< 0.10	Balance

Typical Weld Mechanical Properties

Yield Strength:	60 MPa
Tensile Strength:	130 MPa
Elongation:	5%

Packaging & Ordering Information

Size	Packet	Part Number
2.4mm	5kg	300030
3.2mm	5kg	300031
4.8mm	5kg	300032