SIFTIG 4047A Aluminium TIG Rod

SIFALUMIN No. 16

An aluminium alloy containing 12% silicon, for high-silicon alloys and automotive work. Typically chosen where good colour matching to the parent material is important.

Suitable for all types of aluminium castings. Typical applications include repair, surfacing, and construction of window frames, tubes, furniture, engine blocks, and automotive parts.

Frequently used in the aerospace sector as a brazing alloy on thin-gauge material. Ensure that the parent metal surface is cleaned and fully degreased prior to welding. Clean joints with a stainless steel brush. Can be used in both TIG and Oxy/Acetylene processes. When brazed in Oxy/Acetylene, use our SIFALUMINIUM Flux - No.12 (FO120050) welding flux.

Positions



For use in all positions.

Current AC
Shielding Gas Ar, ArHe

Typical Weld Metal Composition

Al Bal Si 12% Mn 0.1%

Typical Mechanical Properties

Melting Point	585°C
Ultimate Tensile Strength	130N/mm^2
Hardness	50

Available Formats

Dia.	2.5kg
1.6mm	RO161625
2.4mm	RO162425
3.2mm	RO163225

Standards

EN ISO 18273 S Al 4047A (AlSi12)
(BS 2901 4047A)
(BS 1845 (NG2))