



# TIG ALS12

Old reference: TIG AISi12

## Classification

AWS A5.10 : ER4047  
ISO 17672 : Al112

ISO 18273 : S Al 4047 (AlSi12)

## Description & Applications

Solid rod for GTAW of Aluminium-Silicium alloys with a Silicium content more than 7% and up to 12%. Very similar to a eutectic brazing product (570-585°C), therefore very good flowing and wetting characteristics.

**Main applications:** For the reparation of foundry pieces or unidentified nuances of aluminium alloys, this is often the case in reparation of agricultural equipments / machinery.

## Typical Chemical Composition ( % )

	Si	Fe	Cu	Mn	Mg	Zn	Be	O/E	O/T	Al
Min	11.0									
Max	13.0	0.8	0.30	0.15	0.10	0.20	0.0003	0.05	0.15	Rem.
Type	12.0	0.20	0.007	0.01	0.02	0.03	0.0001	<0.05	<0.15	Rem.

## All Weld Metal Mechanical Properties

	R <sub>p0.2</sub> ( MPa )	R <sub>m</sub> ( MPa )	A <sub>5</sub> ( % )
Min	-	-	-
Max			
Type	80	140	20

## Welding Current & Instructions

Welding mode	Shielding Gas
GTAW AC (~)	ISO 14175: I1 (100% Ar) / I3 (Ar+ 5-30%He) 5-10 L/min

FT En-TL14-200226

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**Fumes:** Consult information on MSDS, available upon request.

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