



# TIG ALC6

Old reference: TIG AlCu6

## Classification

AWS A5.10 : ER2319  
AMS : 4191

ISO 18273 : S Al 2319 (AlCu6MnZrTi)

## Description & Applications

Solid rod for GTAW of Aluminium alloy with similar chemical composition like AlCu6. Used for applications with service temperature at -196°C up to 300°C.

**Main applications:** Space industries, nuclear plant and armament.

## Typical Chemical Composition ( % )

	Si	Fe	Cu	Mn	Mg	Zn	V
Min			5.8	0.20			0.05
Max	0.20	0.30	6.8	0.40	0.02	0.10	0.15
Type	0.06	0.15	6.7	0.30	0.01	0.01	0.08

  

	Ti	Zr	Be	O/E	O/T	Al
Min	0.10	0.10				
Max	0.20	0.25	0.0003	0.05	0.15	Rem.
Type	0.15	0.15	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	-	-	-

## 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-TL09-170206

**Liability:** This document is intended to assist the user in choosing the product. It is up to the user to verify that the chosen product is suitable for applications for which it is intended. The company FSH Welding Group reserves the right to alter specifications without prior notice of its products. The descriptions, illustrations and specifications are for reference only and cannot be held liable for FSH Welding Group.

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

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