



# TIG AL99.7

Old reference: TIG Al99.5

## Classification

AWS A5.10 : ~ER1100  
ISO 18273 : S Al 1070 (Al99.7)

Material N° : 3.0259

## Description & Applications

Solid rod for TIG welding of pure Aluminium and similar composition alloys. Often used for its excellent electrical conductivity or for its high resistance against certain corrossions.

### Base materials:

Alloy	DIN	Material N°
1080A	Al 99.5	3.0255
1050A	Al 99.7	3.0275
1100	Al 99.7	3.0285
3004-3005	Al 99	3.0205
3303		

## Typical Chemical Composition ( % )

Si	Fe	Cu	Zn	Mn	Al
0.03	0.13	0.001	0.01	0.01	Rem.

## All Weld Metal Mechanical Properties

R <sub>p0.2</sub> ( MPa )	R <sub>m</sub> ( MPa )	A <sub>5</sub> ( % )
70	100	30

## Welding Current & Instructions

Welding mode	Shielding Gas
TIG ~	Ar : 5-10 l/min Argon / He : 5-10 l/min

ind.10



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