



TIG TA6V4

Classification

AWS A5.16 : ERTi-5
AMS : 4954

ISO 24034 : S Ti 6402 (TiAl6V4B)
Material N° : 1.7164 / 1.7165

Description & Applications

Solid rod for GTAW of similar titanium alloys.

Main applications: Aeronautical industry.

Typical Chemical Composition (%)

	C	N	H	O	Fe	Al	V	Y	A/T	Ti
Min				0.12		5.50	3.50			
Max	0.05	0.030	0.015	0.18	0.22	6.75	4.50	0.005	0.20	Rem.
Type	0.02	0.006	0.004	0.15	0.18	6.2	4.0	0.001	<0.20	Rem.

All Weld Metal Mechanical Properties

	R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)
Min	-	-	-
Max			
Type	900	960-1270	8

Welding Current & Instructions

Welding mode	Shielding Gas
GTAW = -	ISO 14175 : I1 (Ar) 6-12 l/min Back shielding : I1 (Ar) 3-6 l/min

FT En-TT24-170418

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.