



TIG TA6V4

Classification

ISO 24304 Ti 6402 (TiAl6V4B) N° de Mat. : 3.7165
AWS A5.16 : ERTi-5 AMS : 4954

Description & Applications

Solid rod for TIG welding of similar titanium alloy.

Main applications: Aeronautical industry.

Typical Chemical Composition (%)

C	N ₂	H ₂	O ₂	Fe	Al	V	Y	Ti
<0.05	<0.03	<0.005	0.12-0.20	<0.22	6.0	4.0	<0.005	Rem.

All Weld Metal Mechanical Properties

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

Welding Current & Instructions

Welding mode	Shielding Gas
TIG = -	Ar : 6-12 l/min Back shielding : Argon : 3-6 l/min

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