

Classification

AMS : 4952

Description & Applications

Solid rod for GTAW of similar titanium alloys. Excellent oxydation resistance at high temperature.

Main applications: Aeronautical industry.

Typical Chemical Composition (%)

	C	Si	Mo	Zr	Sn	Al	Fe	O
Min			1.80	3.60	1.80	5.50		
Max	0.04	0.10	2.20	4.40	2.20	6.50	0.10	0.15
Type	0.02	0.08	2.0	4.0	2.0	6.0	0.05	0.12

	N	H	Y	B	A/C	A/T	Ti
Min							
Max	0.0400	0.0125	0.0050	0.0030	0.10	0.40	Rem.
Type	0.01	0.001	0.001	0.001	<0.10	<0.40	Rem.

All Weld Metal Mechanical Properties

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

Welding Current & Instructions

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