



## TIG T40

### Classification

AWS A5.16 : ERTi-2  
AMS : 4951

ISO 24034 : S Ti 0120 (Ti99.6)

### Description & Applications

Solid rod for GTAW of pure titanium Grade 2 type.

**Main applications:** Heat exchangers, condensers, evaporators for nuclear plants, oil refinery, aeronautical and chemical industries.

### Typical Chemical Composition ( % )

	C	N	H	O	Fe	Y	A/T	Ti
Min				0.08				
Max	0.03	0.015	0.005	0.16	0.12	0.005	0.20	Rem.
Type	0.01	0.004	0.002	0.085	0.02	0.001	<0.20	Rem.

### All Weld Metal Mechanical Properties

	R <sub>p0.2</sub> ( MPa )	R <sub>m</sub> ( MPa )	A <sub>5</sub> ( % )
Min	-	-	-
Max			
Type	290	390-540	20

### 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-TT22-170918

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