



## TIG TI12

### Classification

AWS A5.16 : ERTi-12

### Description & Applications

Solid rod for TIG welding of similar titanium alloy. Compared to TIG T40, the product offers better resistance in salt environment, particularly in high temperature.

**Main applications:** Heat exchangers, condensers, evaporator in nuclear plant, refinery plant.

### Typical Chemical Composition ( % )

C	N	H	O	Fe	Ni	Mo	Ti
0.01	0.006	0.001	0.10	0.04	0.77	0.33	Rem

### All Weld Metal Mechanical Properties

$R_{p0.2}$ ( MPa )	$R_m$ ( MPa )	$A_5$ ( % )
340	480	10

### Welding Current & Instructions

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

FT En-TT30

**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.

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